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FIBER ORGANON

Formerly Textile Organon

Volume 60, No.11 ☐ November 1989

A publication of *Fiber Economics Bureau, Inc.*

Highlights

- 1989 Directory of American Fiber Manufacturers...begins on page 243.
- Third Quarter 1989 Production, Shipments and Ending Stocks...begins on page 256.

SHIPMENTS:

In October, total manufactured fiber shipments reached 727 million pounds, 3% above the 707 million pounds shipped in September and 7% below the 780 million pounds shipped in October 1988.

October shipments of synthetic (noncellulosic) filament yarn fell slightly to 344 million pounds and staple+tow rose 6% to 364 million pounds.

Contributing to the increase of synthetic (noncellulosic) staple+tow shipments over the previous month were polyester up 18 million pounds or 10%.

Year-to-date domestic shipments of manufactured fiber are up 1% and exports are down 16%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1989 OCT	1989 SEP	% CHG 10/89 - 9/89	1988 OCT	% CHG 10/89 - 10/88	YEAR TO DATE [d] 1989	YEAR TO DATE [d] 1988	% CHG YTD 1989-1988
ARTIFICIAL (CELLULOSIC)								
YARN	19.9	17.3	*+15.0*	18.6	*+7.0*	184.9	179.7	*+2.9*
RAYON STAPLE [d]	NA	NA	*NA*	NA	*NA*	NA	NA	*NA*
TOTAL ARTIFICIAL (CELL.)	**19.9**	**17.3**	***+15.0***	**18.6**	***+7.0***	**184.9**	**179.7**	***+2.9***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	28.8	28.6	*+0.7*	29.9	*-3.7*	304.0	310.1	*-2.0*
- CARPET	79.5	88.7	*-10.4*	87.8	*-9.5*	807.7	817.8	*-1.2*
- TEXTILE [a]	33.1	32.7	*+1.2*	32.9	*+0.6*	334.6	316.2	*+5.8*
POLYESTER - INDUSTRIAL	30.3	29.2	*+3.8*	31.4	*-3.5*	306.4	299.8	*+2.2*
- TEXTILE [a]	62.5	58.5	*+6.8*	77.7	*-19.6*	689.5	699.4	*-1.4*
OLEFIN	109.4	107.0	*+2.2*	106.2	*+3.0*	1053.3	1020.8	*+3.2*
TOTAL YARN	**343.6**	**344.7**	***-0.3***	**365.9**	***-6.1***	**3495.5**	**3464.1**	***+0.9***
STAPLE+TOW+FIBERFILL								
NYLON	85.9	85.5	*+0.5*	89.6	*-4.1*	822.6	808.0	*+1.8*
ACRYLIC+MODACRYLIC	44.0	44.1	*-0.2*	48.8	*-9.8*	458.2	491.0	*-6.7*
POLYESTER	200.4	182.0	*+10.1*	228.3	*-12.2*	1990.1	2007.4	*-0.9*
OLEFIN	33.4	33.1	*+0.9*	29.2	*+14.4*	317.8	301.2	*+5.5*
TOTAL STAPLE	**363.7**	**344.7**	***+5.5***	**395.9**	***-8.1***	**3588.7**	**3607.6**	***-0.5***
TOTAL SYNTHETIC (NONCELL.)	**707.3**	**689.4**	***+2.6***	**761.8**	***-7.2***	**7084.2**	**7071.7**	***+0.2***
TOTAL MANUFACTURED FIBER	**727.2**	**706.7**	***+2.9***	**780.4**	***-6.8***	**7269.1**	**7251.4**	***+0.2***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	687.4	671.0	*+2.4*	725.5	*-5.3*	6866.9	6770.2	*+1.4*
EXPORTS [c]	39.8	35.7	*+11.5*	54.9	*-27.5*	402.2	481.2	*-16.4*

NA No longer available

a. Includes low denier industrial yarn.
b. Includes olefin exports
c. Excludes olefin exports.
d. **Data for rayon staple no longer available.**

November 1989

Fiber Organon

A Monthly Review

Formerly ***Textile Organon***

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1989 DIRECTORY OF AMERICAN FIBER MANUFACTURERS

NOTES & DEFINITIONS

This directory of producers is divided into the following categories:

(1) Artificial (Cellulosic) and Synthetic (Noncellulosic) Fibers
(2) Olefin Fiber
(3) Glass Fiber

The locality shown represents a plant site. Unless shown separately, the Head Sales Office address is the same as the Executive Office address.

The generic fiber names used in this survey are those established by the U.S. Federal Trade Commission (FTC). The *italicized* words are trademarks. All other fiber names are generic and appear in regular type.

• Indicates a company producing olefin fiber as well as other manufactured fiber(s). For example, Ametek produces olefin fiber (page 244) as well as nylon, polyester and saran.

* Indicates a new plant, in the planning stage or under construction, or a new facility for producing a new product at an existing plant. Such facilities are not expected to be operable before 1990.

Yarn means filament yarn.
Monofil means an extruded monofilament and may be either a round or a rectangular (ribbon) cross-section. Monofilaments for bristles are excluded.
Film includes **Slit:** tape produced by slitting an already-attenuated wide sheet of olefin film; and **Split:** fibrillated slit film.
Not included in this survey is the slit film used for decorative or tying ribbon and such.
Rope includes braided and twisted rope as well as filler or core fiber.
Cordage is under 3/16" and includes tying and harvest (baler and binder) twine.
Industrial Goods means bags, bale wrap and protective covers, agricultural cloth, tarps and pool covers, etc.
Captive means that most or all of the fiber produced is consumed by the company in a vertical operation.

GENERIC NAMES

The following are generic names, in **bold** type, and a brief description of the fibers covered by each name shown in regular type.

GLASS FIBER

This fiber is made in two primary forms: continuous strand and staple sliver. Continuous strand is drawn fiber (i.e., from a textile-type bushing), while staple sliver, which is produced in relatively small amounts, is a blown fiber. Glass fiber thus ***does not*** include the substantial quantities of blown glass wool and pack, e.g., mat for air & liquid filtration, acoustical & thermal insulation, battery mats & separators and underground pipe wrap (except reinforcing).

Yarn & Strand: Continuous filament yarn and strand packaged for sale as such. Includes the yarn and strand used in the manufacture of nonwoven scrim for sale as such.
Roving: Two or more ends of untwisted strand. Includes spun strand roving (a single, continuous strand looped back on itself to give the equivalent of two or more strands) and roving for making woven roving
Mat: Mat in any nonwoven form as made from a continuous filament, i.e., continuous strand mat (filaments bonded with a suitable binder to form a membrane) and chopped strand mat (1/2" to 3" strands deposited in a random manner and resin bonded).
Chopped: Chopped yarn, strand or roving (1/4" to 3-3/4" length).
Milled: Hammer-milled yarn, strand or roving (1/32" to 1/4" length).
Staple Yarn & Sliver: A blown fiber, as noted, and means ribbons of generally parallel glass staple (3" to 15" random lengths) with or without a filament yarn reinforcement, with or without a binder, and slightly condensed to an approximately uniform cross section.

ARTIFICIAL (CELLULOSIC) FIBERS

Acetate: Artificial (cellulosic) acetate. Cigarette filtration tow is excluded.
Triacetate: Cellulose acetate, wherein not less than 92% of the hydroxyl groups are acetylated.
Rayon: Regenerated cellulose, including substitutions for not more than 15% of the hydrogens of the hydroxyl groups. Includes high wet modulus fiber.
Cupra: Cuprammonium rayon.
The viscose rayon yarns are identified as **ind** (industrial or high tenacity yarn) and **reg** (regular or textile yarn).

SYNTHETIC (NONCELLULOSIC) FIBERS

Acrylic: At least 85% acrylonitrile by weight.
Modacrylic: 35% to 84% acrylonitrile by weight, except when it qualifies as rubber.
Nylon: A long-chain synthetic polyamide in which less than 85% of the amide linkages are attached directly to two aromatic rings. The types are identified as 6, 66, etc. Where a company produces both type 6 and type 66, the designation 6/66 is used.
Aramid: A long-chain synthetic polyamide in which at least 85% of the amide linkages are attached directly to two aromatic rings.
Olefin: At least 85% ethylene, propylene or other olefin units by weight, except amorphous (noncrystalline) polyolefins qualifying as rubber. **E** means Polyethylene and **P** means Polypropylene. Also see adjoining notes on olefin fiber.
PBI: A long chain having recurring imidazole groups.
Polyester: At least 85% by weight of an ester of a substituted aromatic carboxylic acid, including but not restricted to substituted terephthalic units, and parasubstituted hydroxybenzoate units.
Saran: At least 80% vinylidene chloride by weight.
Spandex: At least 85% of segmented polyurethane.
Vinyon: At least 85% vinyl chloride by weight.

Other manufactured fibers included in this survey, but not listed by the FTC, are Polycarbonate and **TFE-** & **FEP-**fluorocarbon.

Not covered in this survey are fibers which would fall under the FTC's generic designations of rubber, lastrile, metallic and novoloid. Fibers falling under the FTC designations of anidex, azelon and nytril are not produced in the United States.

Carbon fibers are not included in this survey.

ALBANY INTERNATIONAL-MONOFILAMENT PLANT ●

EXECUTIVE OFFICE: 156 South Main Street, Homer, NY 13077

Fluoro	Homer, NY *Halar, Kynar, Tefzel* (monofil)
Nylon 6/66/612	Homer (monofil)
Polyester	Homer (monofil-regular & hydrolysis-resistant)

ALLIED-SIGNAL INC. ENGINEERED MATERIALS SECTOR, FIBERS DIVISION ●

EXECUTIVE OFFICE: 1411 Broadway, New York, NY 10018
REGIONAL SALES: 400 North Tustin Avenue, Santa Ana, CA 92705
2100 Fiber Park Drive, Dalton, GA 30720
64 South Miller Road, Akron, OH 44313

Nylon 6	Columbia, SC & Hopewell, VA *A.C.E., Anso-Tex, Anso IV HP, Anso V Worry Free, Anso X, Capiana, Caprolan, Caprolan 2000 Sea Gard, Caprolan 2000 Stay Gard, Capima, Captiva, Compet, Creme De Captiva, Hydrofil, Iron Clad, Patina, TEC* (yarn, monofil & staple)
Polyester	Moncure, NC *A.C.E., A.C.E. Sea Gard, Compet, Stay Gard* (yarn & monofil)

AMERICAN CYANAMID COMPANY, FIBERS DIVISION

EXECUTIVE OFFICE: One Cyanamid Plaza, Wayne, NJ 07470
REGIONAL SALES: 350 Fifth Avenue, Suite 2602, New York, NY 10118
P.O. Box 32787, Charlotte, NC 28232

Acrylic	Milton, FL *Creslan* (staple & tow)

AMERICAN POLYCRAFT, INC. ●

EXECUTIVE OFFICE: P.O. Box 3603, Dalton, GA 30721

Nylon 6	Dalton, GA (yarn)

AMETEK INC., SPECIAL FILAMENTS DIVISION ●

EXECUTIVE OFFICE: Box 339, Odenton, MD 21113

Nylon 6/66/612/11	Odenton, MD (monofil)
Polyester	Odenton (monofil)
Saran	Odenton (monofil)

AVTEX FIBERS INC.

EXECUTIVE OFFICE: Bldg. 200, Berwyn Park, Cassatt Road, P.O. Box 880, Valley Forge, PA 19482

Polyester	Lewistown, PA *Avlin* (yarn)

BASF CORPORATION FIBERS DIVISION

EXECUTIVE OFFICE: P.O. Drawer D, Williamsburg, VA 23187
REGIONAL SALES: 5505 East Carson Street, Suite 205, Lakewood, CA 90713
500 Holiday Avenue, Dalton, GA 30720
111 West 40th Street, New York, NY 10018
Four Seasons Executive Center, 3A Terrace Way, Greensboro, NC 27403

Nylon 6	Enka, NC; Anderson & Central, SC and Lowland, TN *Crepeset, Shimmereen, Vivana, Zefsport, Zeftron, Zeftron 500, Zeftron 500 ZX* (yarn & staple)
Polyester	Lowland, TN *Golden Glow, Golden Touch, Silky Touch, Strialine, Ultra Touch* (yarn)
Rayon	Lowland, TN *Zantrel, Zantrel Plus* (staple)

BASF Corporation has carpet yarn spinning plants at Allendale, SC and Sylvania, GA.

BEAULIEU OF AMERICA, INC. ●

EXECUTIVE OFFICE: P.O. Box 4539, Dalton, Ga 30721

Nylon 6	Bridgeport, AL (yarn)

BERKLEY & CO. INC. ●

EXECUTIVE OFFICE: Highways 9 & 71, Spirit Lake, IA 51360

Nylon 6	Spirit Lake, IA (monofil)

CAMAC CORPORATION

A Subsidary of Cookson America, Inc.
EXECUTIVE OFFICE: P.O. Box 1004, Bristol, VA 24203

Nylon 6	Bristol, VA *Camalon* (yarn)

COLOR-FI, INC.

EXECUTIVE OFFICE: P.O. Box 469, Edgefield, SC 29824

Nylon	Sumter & Trenton, SC (staple & tow)
Polyester	Sumter & Trenton (staple)

CONCORDE FIBERS, INC.

EXECUTIVE OFFICE: P.O. Box 200, Highway 45, Jamestown, SC 29453

Nylon 6	Jamestown, SC (yarn)

CORTLAND LINE COMPANY, INC.

EXECUTIVE OFFICE: 3736 Kellogg Road, Cortland, NY 13045

Nylon 6	Cortland, NY (monofil-captive)

COURTAULDS FIBERS INC.

EXECUTIVE OFFICE: 104 West 40th Street, New York, NY 10018
REGIONAL SALES: P.O. Box 141, Axis, AL 36505

Rayon	Le Moyne, Mobile County, AL *Fibro* (staple)

DORSETT CARPET MILLS INC. ●

BCF YARN DIVISION

EXECUTIVE OFFICE: P.O. Box 740, Chatsworth, GA 30705

Nylon 6	Chatsworth, GA (yarn)

E. I. DU PONT DE NEMOURS & COMPANY (INC.) ●

FIBERS DEPARTMENT ●

EXECUTIVE OFFICE: Wilmington, DE 19880

REGIONAL SALES: 5500 Union Pacific Avenue, City of Commerce, CA 90022
1251 Avenue of the Americas, New York, NY 10020
6250 Fairview Road, Charlotte, NC 28234
2770 West Market Street, Akron, OH 44313
300 Franklin Bldg., Eastgate Center, Chattanooga, TN 37411

Acrylic	Camden, SC & Waynesboro, VA *Orlon* (staple & tow)
Aramid	Richmond, VA *Kevlar* (yarn), *Nomex* (yarn, staple & tow)
Nylon 66	Seaford, DE; Camden, SC; Chattanooga, TN and Martinsville, Richmond & Waynesboro, VA *Antron* (yarn, monofil, staple & tow)
Polyester	Kinston & Wilmington, NC; Camden & Charleston, SC *Dacron*, (yarn, staple, tow & fiberfill)
Spandex	Waynesboro *Lycra* (fused multifil or coalesced monofil)

POLYMER PRODUCTS DEPARTMENT

EXECUTIVE OFFICE: See Listing Above

Nylon 6/66/612 & Polyester	Parkersburg, WV *Dacron, Dymetrol, Tynex, Vylor* (monofil of 50 denier & coarser)

EASTMAN KODAK COMPANY

EASTMAN CHEMICALS DIVISION

EXECUTIVE OFFICE: Kingsport, TN 37662

MARKETER: EASTMAN CHEMICAL PRODUCTS, INC., P.O. Box 431, Kingsport, TN 37662

REGIONAL SALES: 1133 Avenue of the Americas, New York, NY 10036

Acetate	Kingsport, TN *Chromspun, Estron* (yarn)
Polyester	Kingsport, TN & Columbia, SC *Kodel* (staple)

FIBER INDUSTRIES

A WHOLLY OWNED SUBSIDIARY OF WELLMAN, INC.

EXECUTIVE OFFICE: 5146 Parkway Plaza Blvd., Charlotte, NC 28217

SALES OFFICE: 1133 Avenue of the Americas, New York, NY 10036

REGIONAL SALES: 4040 Summit Drive, Marietta, GA 30068

Polyester	Fayetteville, NC & Darlington, SC Fortrel (yarn & staple)

FIRESTONE FIBERS & TEXTILES COMPANY

DIVISION OF FIRESTONE TIRE & RUBBER COMPANY

EXECUTIVE OFFICE: P.O. Box 1278, Gastonia, NC 28052

Polyester	Hopewell, VA (yarn)

FOSS MANUFACTURING COMPANY, INC. ●

EXECUTIVE OFFICE: Ward Hill Industrial Park, Haverhill, MA 01830

PLANT OFFICE: Haverhill, MA 01830

Polyester	Haverhill, MA (staple-captive)

GLOBE MANUFACTURING CO.

EXECUTIVE OFFICE: 456 Bedford Street, Fall River, MA 02720

Spandex	Fall River, MA & Gastonia, NC *Cleerspan, DC-100, DC-700, Glospan* (fused multifil)

THE GOODYEAR TIRE & RUBBER COMPANY, POLYESTER DIVISION

EXECUTIVE OFFICE: Akron, OH 44316

Polyester	Scottsboro, AL & Point Pleasant, WV (yarn-captive)

GOLCO ●

EXECUTIVE OFFICE: 218 River Road, Cartersville, GA

Nylon	Cartersville, GA (yarn)*

GULF FIBERS INC.

EXECUTIVE OFFICE: Falk Industries, Inc., 569 Broadway, New York, NY 10012

Nylon 6	Le Moyne, Mobile County, AL (monofil)

HANOVER FIBERS DIVISION, GUILFORD MILLS INC.

EXECUTIVE OFFICE: 4925 West Market Street, Greensboro, NC 27402

REGIONAL SALES: 200 Dickens Road, P.O. Box 788, Fuquay-Varina, NC 27526

Nylon 6	Gainesville, GA (monofil)
Polyester	Fuquay-Varina, NC (yarn & monofil)

HOECHST CELANESE CORPORATION

EXECUTIVE OFFICE: 202-206 North, Somerville, NJ 08876
1211 Avenue of the Americas, New York, NY 10036

REGIONAL SALES: 110 East 9th Street, Room A 1229, Los Angeles, CA 90079
6000 Lake Forest Drive, Suite 300, Atlanta, GA 30328
P.O. Box 32414, Charlotte, NC 28232
2950 West Market Street, Akron, OH 44313

Acetate	Rock Hill, SC *(Celriver)* & Narrows, VA *(Celco)* (yarn, staple & tow)
Polyester	Salisbury & Shelby, NC and Spartanburg, SC *Angelette, Ceylon, Comfort Fiber, ESP, Loftguard, Polar-Guard, Serene, Superba, Trevira* (yarn, staple, tow & fiberfill)
PBI	Rock Hill (staple)

JAMES RIVER CORPORATION ●

EXECUTIVE OFFICE: 545 North Pleasantburg Drive, Greenville, SC 29607

Nylon 6/66	Cantonment, FL *Cerex* (spunbonded)
Polyester	Milford, NJ and Simpsonville, SC *Polyweb* (thermal bond & meltblown)

JOHNSON FILAMENTS, INC. ●

EXECUTIVE OFFICE: Industrial Avenue, Williston, VT 05495

Nylon 6/66	Williston, VT (monofil)
Polyester	Williston (monofil)

KAYSER-ROTH HOSIERY INC., YARN MANUFACTURING DIVISION

EXECUTIVE OFFICE: 2303 West Meadowview Road, Greensboro, NC 27407

Nylon 66	Creedmoor, NC (yarn-captive)

MONOFILAMENTS, INC.

EXECUTIVE OFFICE: 1401 Hopeman Parkway, Waynesboro, VA 22980

Nylon 6/66	Waynesboro, VA (monofil)
Polycarbonate	Waynesboro (monofil)
Polyester	Waynesboro (monofil)

*The company also produces fusible nylon (monofil) at its Waynesboro facility.

MONSANTO COMPANY

EXECUTIVE OFFICE: 800 North Lindbergh Blvd., St. Louis, MO 63167

MONSANTO CHEMICAL COMPANY, FIBERS & ENGINEERED PRODUCTS DIVISION

REGIONAL SALES: 24012 Calle de la Plata, Suite 250, Laguna Hills, CA 92653
320 Interstate North Parkway, Atlanta, GA 30339
1460 Broadway, 11th Floor, New York, NY 10036
6230 Fairview Road, Charlotte, NC 28210
260 Springside Drive, P.O. Box 5444, Akron, OH 44313

Acrylic	Decatur, AL *Acrilan, Acrilan II, Bi-Loft, Cy-Fana, Du-Rel, Fi-Lana II, Pa-Qel, Pil-Trol So-Lara, So-Qel* (staple & tow)
Modacrylic	Decatur *SEF, SEF Plus* (staple & tow)
Nylon 66	Pensacola, FL & Greenwood, SC *No-Shock, Ultron* (yarn & staple)

NORTH AMERICAN POLYESTER CORPORATION

Subsidiary of North American Rayon Corporation

EXECUTIVE OFFICE: West Elk Avenue, Elizabethton, TN 37643

Polyester	Elizabethton, TN (staple)

NORTH AMERICAN RAYON CORPORATION

EXECUTIVE OFFICE: West Elk Avenue, Elizabethton, TN 37643
REGIONAL SALES: 500 Fifth Avenue, New York, NY 10110

Rayon	Elizabethton, TN (ind & reg yarn & tow)

PHILLIPS FIBERS CORPORATION o

Subsidiary of Phillips 66 Company

EXECUTIVE OFFICE: P.O. Box 66, Interstate 85, Greenville, SC 29602

Sulfar	Rocky Mount, NC *Ryton* (staple)

REEMAY, INC. ●

EXECUTIVE OFFICE: P.O. Box 511, Old Hickory, TN 37138

Polyester	Old Hickory, TN *Reemay* (spunbonded)

SHAKESPEARE COMPANY, MONOFILAMENT DIVISION ●

SALES OFFICE: 6111 Shakespeare Road, P.O. Box 4060, Columbia, SC 29240

Nylon 6/66/610	Columbia, SC (monofil thread)
Polyester	Columbia (monofil thread)

STAR FIBERS, INC.

EXECUTIVE OFFICE: P.O. Box 588, Edgefield, SC 29824
REGIONAL SALES: Edgefield, SC 29824

Nylon 6/66	Edgefield, SC *Starbrite* (staple)

TOLARAM FIBERS, INC. ●

EXECUTIVE OFFICE: P.O. Box 436, Highway 52 North, Ansonville, NC 28007-0436

Nylon 66	Ansonville, NC (yarn)
Polyester	Ansonville & Asheboro, NC (yarn)

T.M.G. HOLDINGS

Affiliate of the Mann Group, Inc.

EXECUTIVE OFFICE: 3411 North Rockingham Road, Greensboro, NC 27404

Acrylic	Williamsburg, VA *Zefran, Zefkrome* (staple)

WELLMAN, INC., MAN-MADE FIBER DIVISION

EXECUTIVE OFFICE: P.O. Box 188, Johnsonville, SC 29555
1040 Broad Street, Suite 302, Shrewsbury, NJ 07702
REGIONAL SALES: 1200 East Morehead Street, Charlotte, NC 28204
25 Braintree Hill Park, Suite 206, Braintree, MA 02184

Nylon 6/66	Johnsonville, SC *Wellon, Wellstrand* (staple, tow & tops)
Polyester	Johnsonville *Fillwell, Wellene, Wellstrand* (staple & tow)

YKK ZIPPER CO.

Polyester	Macon, GA (yarn)

OLEFIN FIBER

ACS INDUSTRIES, INC.

EXECUTIVE OFFICE: 71 Villanova Street, Woonsocket, RI 02895
PLANT: Woonsocket, RI (P yarn & multifil)

ALADDIN MILLS, INC.
EXECUTIVE OFFICE: P.O. Box 2208, Dalton, GA 30722
PLANT: Dalton, GA (P yarn)

ALBANY INTERNATIONAL - MONOFILAMENT PLANT
EXECUTIVE OFFICE: See Listing on Page 244.
PLANT: Homer, NY (P monofil)

ALLIED-SIGNAL INC. ENGINEERED MATERIALS SECTOR, FIBERS DIVISION
EXECUTIVE OFFICE: See Listing on Page 244
PLANT: Chesterfield, VA *Spectra* (E yarn & stapie)

AMERICAN MANUFACTURING COMPANY
EXECUTIVE OFFICE: 200 South Park Road, Lafayette, LA 70505
REGIONAL SALES: 107 Trumball Street, Elizabeth, NJ 07206
5854 Hollis Street, Emeryville, CA 94608
1520 Industrial Blvd., Jacksonville, FL 32205
6110 Bienvenue Street, New Orleans, LA 70117
1715 South 11th Street, St. Louis, MO 63104
1350 Kress Street, Houston, TX 77020
5050 First Avenue South, Seattle, WA 98134
LAFAYETTE ROPE DIVISION
PLANT: Lafayette, LA *Amco, American, Bondtie, Floterope, Ultraline* (E & P monofil & film)

AMERICAN POLYCRAFT, INC.
EXECUTIVE OFFICE: See Listing on Page 244
PLANT: Dalton, GA (P yarn & film)

AMETEK INC., SPECIAL FILAMENTS DIVISION
EXECUTIVE OFFICE: See Listing on Page 244
PLANT: Odenton, MD (E & P monofil)

AMOCO FABRICS & FIBERS COMPANY
EXECUTIVE OFFICE: 900 Circle 75 Parkway, Suite 550, Atlanta, GA 30339
REGIONAL SALES: 15066 Shoemaker Avenue, Santa Fe Springs, CA 90670
P.O. Box 911, Dalton, GA 30722-0911
P.O. Box 3667, 835 Shugart Rd., Dalton, GA 30721-0667
PLANT: Andalusia & Roanoke, AL; Bainbridge, Hazlehurst & Nashville, GA; Salisbury, NC & Afton, VA (P yarn, monofil, film & staple)
The company produces *PolyBac, PolyBac A/S and PolyBac FLW* primary carpet backing; *ActionBac* secondary carpet backing; *Amopave* and *Propex* industrial fabrics; *Condesa* luggage fabrics; *Patlon III, Amoco XXV, Marquesa Lana* and *Marquesa Lana/ST* commercial carpet yarns; *Synera* apparel yarn; *Amoweve* and *Saqqara* wallcoverings; *Essera* and *Trace* upholstery yarns and *Genesis* residential carpet yarn.

ARLIN MFG. CO., INC.
EXECUTIVE OFFICE: 239 Industrial Avenue, Lowell, MA 01853
PLANT: Lowell, MA (P film)

ARMSTRONG WORLD INDUSTRIES, INC.
EXECUTIVE OFFICE: Lancaster, PA 17604
PLANT: Charlotte, NC (P film-captive)
The company weaves carpet backing.

BEAULIEU OF AMERICA, INC.
EXECUTIVE OFFICE: See Listing on Page 244.
PLANT: Bridgeport, AL & Dalton, GA (P yarn)

BERKLEY & CO. INC.
EXECUTIVE OFFICE: See Listing on Page 244.
PLANT: Spirit Lake, IA (E & P monofil-captive)

BLUE MOUNTAIN INDUSTRIES
EXECUTIVE OFFICE: 20 Blue Mountain Road, Blue Mountain, AL 36201
PLANT: Blue Mountain, AL *Gold Medal, Poly Autotwine, Poly Macramé, Polylasting, TY-EZ Polytape, Tylon, Tytite* (E & P film cordage)

BRIDON CORDAGE INC.
EXECUTIVE OFFICE: 909 16th Street, Albert Lea, MN 56007
PLANT: Albert Lea, MN (P film cordage)

BURLINGTON INDUSTRIES, INC.
EXECUTIVE OFFICE: P.O. Box 21207, Greensboro, NC 27420
PLANT: Greensboro, NC (P yarn)

CALIFORNIA WEBBING INDUSTRIES, INC.
EXECUTIVE OFFICE: 4560 Pacific Blvd., Los Angeles, CA 90058
PLANT: Los Angeles, CA (P yarn)

CARRIAGE INDUSTRIES
EXECUTIVE OFFICE: Box 542, Calhoun, GA 30701
PLANT: Calhoun, GA (P yarn)

CHASE PACKAGING CORPORATION
EXECUTIVE OFFICE: 2 Greenwich Plaza, Greenwich, CT 06830
PLANT: Portland, OR (P film industrial goods)

COLUMBIAN ROPE COMPANY
EXECUTIVE OFFICE: P.O. Box 270, Highway 45 North, Guntown, MS 38849
REGIONAL SALES: P.O. Box 270, Highway 45 North, Guntown, MS 38849
PLANT: Guntown, MS *Polypro 6* (E & P monofil & film)

CROWE ROPE COMPANY
EXECUTIVE OFFICE: Warren, ME 04864
PLANT: Warren, ME *Crowelon* (P monofil & film)

CUMBERLAND MILLS, INC.
EXECUTIVE OFFICE: 1010 North Hamilton Street, Dalton, GA 30720
PLANT: Dalton, GA (P yarn)

CUTLASS CARPET COMPANY
PLANT: Dalton, GA (P yarn)

DIAMOND MILLS, INC.
EXECUTIVE OFFICE: P.O. Box 46, Eton, GA 30724
PLANT: Eton, GA (P yarn & film)

DORSETT CARPET MILLS, INC.
BCF YARN DIVISION
EXECUTIVE OFFICE: See Listing on Page 245
PLANT: Chatsworth, GA (P yarn)

E. I. DU PONT DE NEMOURS & COMPANY (INC.)
FIBERS DEPARTMENT
EXECUTIVE OFFICE: See Listing on Page 245
PLANT: Richmond, VA *Tyvek* (E spunbonded)
Chattanooga, TN (P yarn)

ELIZABETH WEBBING MILLS CO., INC.
EXECUTIVE OFFICE: 521 Roosevelt Avenue, Central Falls, RI 02862
PLANT: Central Falls, RI (P yarn & film)

ENSIGN-BICKFORD INDUSTRIES, INC.
FILM FIBERS DIVISION
EXECUTIVE OFFICE: 630 Hopmeadow Street, Simsbury, CT 06070
PLANT: Simsbury, CT (P film)

EXXON CHEMICAL COMPANY,
POLYMERS GROUP - TEXTILES DIVISION
DIVISION HEADQUARTERS: 2550 West Fifth North Street, Summerville, SC 29483-9699
MARKETING OFFICE: 2100 River Edge Parkway, Suite 1025, Atlanta, GA 30328-4654
PLANT: Summerville, SC (P monofil & film fabrics)
The company also weaves *Baxon* carpet backing and packaging fabrics at Summerville, SC.

POLYMERS GROUP - TWINE DIVISION
DIVISION HEADQUARTERS: 100 South Penalosa, Kingman, KS 67068
MARKETING OFFICE: 100 South Penalosa, Kingman, KS 67068
PLANT: Kingman, KS (P monofil & film cordage)
Clearfield, UT (P monofil & film cordage)

FIBERS & FABRICS OF GEORGIA, INC.
Subsidiary of Georgia Synthetics, Inc.
EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635
PLANT: Elberton, GA (P yarns, fibrillated, roll embossed filaments & slit tape)

FIBERS SOUTH, INC.
EXECUTIVE OFFICE: P.O. Box 189, Trussville, AL 35173
PLANT: Trussville, AL *Polystar, Trustite & Tyrite* (P film, monofil, tapes & staple)

FILAMENT FIBER TECHNOLOGY INCORPORATED
EXECUTIVE OFFICE: 571 West Lake Avenue, Bay Head, NJ 08742
PLANT: Salisbury, NC (P fine denier yarn)

FNT INDUSTRIES, INC.
EXECUTIVE OFFICE: 927 First Street, Menominee, MI 49858
PLANT: Menominee, MI (E monofil)

FOSS MANUFACTURING CO., INC.
EXECUTIVE OFFICE: See Listing on Page 245
PLANT: Haverhill, MA (P staple-captive)

GENERAL FIBERS & FABRICS, INC.
EXECUTIVE OFFICE: Orchard Hill Road, La Grange Industrial Park, La Grange, GA 30240
PLANT: La Grange, GA (P film)
The company also weaves *Supertuft* carpet backing as well as bagging and woven polypropylene fabrics here.

GEORGIA SYNTHETICS, INC.
EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635
PLANT: Elberton, GA (PP carpet backing, industrial fabrics)

GFF HOLDING COMPANY
(Formerly NSI, Inc.)
ADMINISTRATIVE OFFICE: Box 658, Soperton, GA 30457
PLANT: Soperton, GA (P film-captive)
The company weaves carpet backing here.

GOLCO
EXECUTIVE OFFICE: See Lsting on Page 245
PLANT: Cartersville, GA (P yarn)*

HERCULES INCORPORATED

ABSORBENT AND TEXTILE PRODUCTS GROUP

EXECUTIVE OFFICE: Hercules Plaza, Wilmington, DE 19894
MARKETING HEADQUARTERS: 3169 Holcomb Bridge Road, Suite 301, Norcross, GA 30071
REGIONAL SALES: 280 Railroad Avenue, Greenwich, CT 06830
PLANT: Oxford, GA *Elustra, Herculon, Nouvelle* (P yarn & staple)

THE HOOVEN & ALLISON COMPANY

EXECUTIVE OFFICE: 677 Cincinnati Avenue, Xenia, OH 45385
PLANT: Xenia, OH (P film)

INTEGRATED PRODUCTS, INC.

EXECUTIVE OFFICE: P.O. Box 1791, Rome, GA 30163 - 3001
PLANT: Rome, GA (P staple)

INTERLOOM LTD.

FORMERLY CONCORDE FIBERS, INC.

EXECUTIVE OFFICE: Box 2279, Dalton, GA 30722
PLANT: Dalton, GA (P yarn)

J & J INDUSTRIES

EXECUTIVE OFFICE: P.O. Box 1287, Dalton, GA 30722
PLANT: Dalton, GA (P yarn)

JAMES RIVER CORPORATION

EXECUTIVE OFFICE: See Listing on Page 245.
PLANT: Milford, NJ, Simpsonville, SC and Washougal, WA *Celestra, Fibretex* (P spunbonded)

JOHNSON FILAMENTS

EXECUTIVE OFFICE: See Listing on Page 245.
PLANT: Williston, VT (P monofil)

KIMBERLY-CLARK CORPORATION

EXECUTIVE OFFICE: 1400 Holcomb Bridge Road, Roswell, GA 30076
PLANT: Corinth, MS; Balfour, NC; La Grange, GA & Neenah, WI *Accord, Duraguard, Evolution* (P spunbonded), *Cyclean, Evolution III* (P spunbonded/meltblown laminate)

LAMBETH CORPORATION

EXECUTIVE OFFICE: 627 Tarkiln Hill Road, New Bedford, MA 02745
PLANT: New Bedford, MA *Lambeth* (E & P monofil)

LAWRENCE HOSE COMPANY

SALES OFFICE: P.O. Box 1838, Burlington, NC 27215
PLANT: Burlington, NC (E monofil-captive)

LORETEX CORPORATION

EXECUTIVE OFFICE: Northeastern Industrial Park, Bldg. 18, P.O. Box 45, Guilderland Center, NY 12085
REGIONAL SALES: Research Plastics Marketing, 9 Pickering Way, Salem, MA 01970
PLANT: Guilderland Center, NY (E film-captive)

MIRAFI INC.

Subsidiary of Dominion Textiles

EXECUTIVE OFFICE: P.O. Box 240967, Charlotte, NC 28224
PLANT: Moultrie, GA (P film-captive)

ORIAN

EXECUTIVE OFFICE: P.O. Box 2276, Anderson, SC 29622
PLANT: Anderson, SC (P yarn)

THE OSTERNECK COMPANY

EXECUTIVE OFFICE: P.O. Box 859, Lumberton, NC 28359
PLANT: Lumberton, NC (P film)
The company weaves industrial goods here, and converts into tubing & bale wraps.

PHILLIPS FIBERS CORPORATION

Subsidiary of Phillips 66 Company

EXECUTIVE OFFICE: See Listing on Page 246.
PLANT: Rocky Mount, NC; Seneca & Spartanburg, SC *Alpha, Marvess* (P yarn, staple & tow)
The company also manufactures *Duon, Petromat, Rufon & Supac* non-woven fabrics at Seneca, SC.

POLI -TWINE INC.

EXECUTIVE OFFICE: Box 1255, Bldg. A16A, Freeport Center, Clearfield, UT 84016
PLANT: Clearfield, UT (P monofil, P film, rope & cordage)

POLYLOOM CORPORATION OF AMERICA

EXECUTIVE OFFICE: 1615 North Broadway, P.O. Box 289, Dayton, TN 37321
PLANT: Dayton, TN *Polyloom* (P split film)

PRINCETON (CARPET IND. OF N.A.)

EXECUTIVE OFFICE: P.O. Box 548, Adairsville, GA 30103
PLANT: Adairsville, GA (P yarn)

REEMAY, INC.

EXECUTIVE OFFICE: See Listing on Page 246.
PLANT: Old Hickory, TN *Typar, Typelle, Tekton, Biobarrier,* (P spunbonded)

SARLON INDUSTRIES, INC.
EXECUTIVE OFFICE: 775 N.W. 71st Street, Miami, FL 33150
PLANT: Miami, FL (P monofil & film)

SHAKESPEARE MONOFILAMENT DIVISION
EXECUTIVE OFFICE: See Listing on Page 246.
PLANT: Columbia, SC (P monofil)

SHUFORD MILLS, INC.
EXECUTIVE OFFICE: Highland Avenue & 15th Street, N.E., Hickory, NC 28601
PLANT: Hickory, NC (P film, cordage & twine)

SOLUTION FIBERS INC.
EXECUTIVE OFFICE: P.O. Box 447, 110 West McCarter Road, Lafayette, GA 30728
PLANT: Lafayette, GA *Better Body, Luxene* (P yarn)

SOUTHERN WEAVING, INC.
PLANT: Greenville, SC (P yarn)

STEVENS FIBER DIVISION, STEVENS LINEN ASSOC., INC.
EXECUTIVE OFFICE: P.O. Box 220, Webster, MA 01570
PLANT: Dudley, MA (P staple)

SUNSHINE ROPE MANUFACTURING INC.
EXECUTIVE OFFICE: 7250 N.W. 41 Street, Miami, FL 33166-6799
PLANT: Miami, FL (E & P monofil, cordage)

SYNTHETIC INDUSTRIES
EXECUTIVE OFFICE: 309 Lafayette Road, Chickamauga, GA 30707
PLANT: Chickamauga & Dalton, GA (P film, yarn & staple)

SYNTHETIC INDUSTRIES, FIBRON DIVISION
EXECUTIVE OFFICE: Chickamauga, GA
PLANT: Chattanooga, TN *Fibri-Cord, Fibri-Knit, Fibrilawn, Fibrilon* (P film)

TECHLON FIBERS CORPORATION
EXECUTIVE OFFICE: 3359 Blake Drive, Dalton, GA 30720
PLANT: Dalton, GA (P yarn)

TECHNOTRADE
PLANT: Dalton, GA (P yarn)

TOLARAM FIBERS, INC.
EXECUTIVE OFFICE: See Listing on Page 246.
PLANT: Ansonville, NC (P yarn)

TRUSTITE, DIVISION OF FIBERS SOUTH INC.
EXECUTIVE OFFICE: See Listing on page 248.
PLANT: Clearfield, UT *Trustite, Tynite* (P film)

TWINE PRODUCTS CORPORATION
EXECUTIVE OFFICE: 201 Dufossat, P.O. Box 15285, New Orleans, LA 70175
PLANT: New Orleans, LA (P film)

UNITED STATES ROPE COMPANY
EXECUTIVE OFFICE: 711 Hamilton Avenue, Menlo Park, CA 94025
PLANT: Menlo Park, CA (P monofil)

WALL INDUSTRIES, INC.
EXECUTIVE OFFICE: P.O. Box 830, Granite Quarry, NC 28072
PLANT: Granite Quarry, NC (E & P monofil, rope and cordage)

WALTRICH PLASTIC CORPORATION
EXECUTIVE OFFICE: P.O. Box D, Walthourville, GA 31333
PLANT: Walthourville, GA (P monofil)

WAYN-TEX, INC.
EXECUTIVE SALES OFFICE: Box 648, Dalton, GA 30720
PLANT: Waynesboro, VA, *Beamette, Wayntuf* (E & P monofil & P film-captive, spunbonded)
The company weaves *Wayntuf* primary carpet backing (captive)

WELLINGTON PURITAN MILLS (MONTAIR DIV.)
EXECUTIVE OFFICE: Nelson Street, Pilot Mountain, NC 27401
PLANT: Pilot Mountain, NC *Pur-Ty, Welltite* (P yarn & E & P monofil & film)

WELLINGTON SYNTHETIC FIBRES, INC.
EXECUTIVE OFFICE: 52 Courtland Street, Paterson, NJ 07503
PLANT: Leesville & Summerville, SC (P yarn & monofil)
The company also weaves outdoor furniture webs at Leesville.

The following companies are also producing a variety of textile products from olefin: **Cirtex** (P film); **Continental** (P yarn); **Conwed Corp.**, **Conwed Plastic Netting** (P embossed film for netting); **Dicey** (P yarn); **E.I. du Pont De Nemours & Company (Inc.)** (E & P embossed film for netting); **Hercules Incorporated, Polymers Division** *Delnet* (E embossed film for netting); **Nalle Inc.** (P embossed film for netting); **Riegel Products Corporation** *Polyweb* (P meltblown); and **The 3M Company** (P spunbonded).

GLASS FIBER

CERTAINTEED CORPORATION
FIBER GLASS REINFORCEMENTS DIVISION
EXECUTIVE OFFICE: P.O. Box 860, Valley Forge, PA 19482
REGIONAL SALES: 1801 East Parkcourt Street, Bldg. D, Suite 104, Santa Ana, CA 92701
4131 N.W. 13th Street, Suite 202, Gainesville, FL 32609
854 Fairway Drive, Bensenville, IL 60106
1 City Centre, 120 West 7th, Suite 312, Bloomington, IN 47401
533-A Mur Len Road, Olathe, KS 66062
12 Fox Run Drive, Ashtabula, OH 44004
1720-C Indian Wood Circle, Maumee, OH 43537
P.O. Box 1329, Kulpsville, PA 19443
2811 Reidville Road, West Oak Square, Suite 12, Spartanburg, SC 29301
4811 Lebanon Road, Suite 107, Hermitage, TN 37076
6326 Hart, Fort Worth, TX 76112
1420 N.W. Gilman Blvd., Suite 2593, Issaquah, WA 98027
PLANT: Wichita Falls, TX (roving, woven roving, mat, chopped strand & combination product)

FIBER GLASS INDUSTRIES, INC.
EXECUTIVE OFFICE: RD 5, Edson Street, Amsterdam, NY 12010
PLANT: Amsterdam, NY (roving & chopped, woven, mats)

GAF BUILDING MATERIALS CORPORATION
EXECUTIVE OFFICE: 1361 Alps Road, Wayne, NJ 07670
PLANT: Irwindale, CA (chopped), Nashville, TN (chopped)

GFT, INC. (GLASS FIBER TECHNOLOGY)
EXECUTIVE OFFICE: P.O. Box 670, Chester, SC 29706
PLANT: Chester, SC (wet chop for shingles)

LUNDY TECHNICAL CENTER
EXECUTIVE OFFICE: Pompano Beach, FL 33064
PLANT: Pompano Beach, FL *RoMHOglas* (metallized glass fiber roving & strand and nonwoven metallized glass mat)

MANVILLE SALES CORPORATION
MATS, FIBER & REINFORCEMENTS DIVISION
EXECUTIVE OFFICE: P.O. Box 517, Toledo, OH 43693
PLANT: Waterville, OH, Etowah, TN & Ennis, TX *Chop-Pak, Dura-Glass, Star Rov, Star Stran, Tempstran* (mat, chopped strand, staple, yarn, sliver, rovings & microfiber)

NICOFIBERS CO.
EXECUTIVE OFFICE: 9702 Ironpoint Road, Shawnee, OH 43782
PLANT: Shawnee, OH *Conformat, Surmat* (mat)

NITTOBO-SCHWEBEL CORPORATION *
(yarn)

OWENS-CORNING FIBERGLAS CORPORATION
EXECUTIVE OFFICE: Fiberglas Tower, Toledo, OH 43659
REGIONAL SALES: 4 Hutton Centre Drive, Suite 100, Santa Anna, CA 92707
750 Lake Cook Road, Suite 201, Buffalo Grove, IL 60089
15300 West 8 Mile, Oak Park, MI 48237
Bldg. 5601, 77 Center Drive, Suite 240, Charlotte, NC 28210
5700 Pearl Road, Suite 104, Cleveland, OH 44129
900 West Valley Road, Suite 1101, Wayne, PA 19087
12750 Merit Drive, Suite 100, Park Central VII, Dallas, TX 75251
PLANT: Huntingdon, PA, Aiken & Anderson, SC & Amarillo, TX *Araton, Beta, Bi-Ply, Fiberglas, S-Glass, S-2 Glass, Type 30* (yarn, roving, woven roving, mat chopped & milled)

PPG GLASS FIBERS LTD.
FIBER GLASS PRODUCTS
EXECUTIVE OFFICE: One PPG Place, Pittsburgh, PA 15272
REINFORCEMENT PRODUCTS:
REGIONAL SALES: 23441 South Pointe Drive, Suite 145, Laguna Hills CA 92653
400 Northridge Road, Suite 110, Atlanta, GA 30350
710 East Ogden Avenue, Suite 225, Naperville, IL 60563
5875 New King Court, P.O. Box 3510, Troy, MI 48007-3510
AUTOMOTIVE SALES OFFICE: 710 East Ogden Avenue, Suite 225, Naperville, IL 60563
TEXTILE PRODUCTS: 825 East Majestic Court, Gastonia, NC 28054
2253 South Avenue, Westfield, NJ 07090
PLANT: Lexington & Shelby, NC (yarn, roving, mat, milled fiber, chopped strand, woven roving & rubber reinforcements)

SUPERIOR GLASS FIBERS, INC.
EXECUTIVE OFFICE: P.O. Box 89, Bremen, OH 43107
PLANT: Bremen, OH (mat)

TABLE 2:
LOCATION OF AMERICAN FIBER PRODUCT-MANUFACTURING PLANTS

STATES & AREA	ARTIFICIAL (CELLULOSIC) [a]	SYNTHETIC (NONCELLULOSIC)						GLASS FIBER	GRAND TOTAL
		ACRYLIC [b]	NYLON [c]	OLEFIN	POLYESTER	OTHER [d]	TOTAL		
NEW ENGLAND									
CONNECTICUT				1			1		1
MAINE				1			1		1
MASSACHUSETTS				4	1	1	6		6
RHODE ISLAND				2			2		2
VERMONT			1	1	1		3		3
TOTAL NEW ENGLAND			**1**	**9**	**2**	**1**	**13**		**13**
MID-ATLANTIC									
DELAWARE			1				1		1
MARYLAND			1	1	1	1	4		4
NEW JERSEY				1	2		3		3
NEW YORK			2	2		1	5	1	6
PENNSYLVANIA					1		1	1	2
TOTAL MID-ATLANTIC			**4**	**4**	**4**	**2**	**14**	**2**	**16**
PIEDMONT									
N. CAROLINA			3	12	9	2	26	2	28
S. CAROLINA	1	1	11	9	10	1	32	3	36
VIRGINIA	1	2	7	4	2	2	17		18
WEST VIRGINIA			1		2		3		3
TOTAL PIEDMONT	**2**	**3**	**22**	**25**	**23**	**5**	**78**	**5**	**85**
SOUTH									
ALABAMA	1	2	2	5	1		10		11
FLORIDA		1	2	2			5	1	6
GEORGIA			4	29	1		34		34
LOUISIANA				2			2		2
MISSISSIPPI				2			2		2
TENNESSEE	3		2	4	4		10	1	14
TEXAS								3	3
TOTAL SOUTH	**4**	**3**	**10**	**44**	**6**		**63**	**5**	**72**
MID-WEST & WEST									
CALIFORNIA				2			2	1	3
IOWA			1	1			2		2
KANSAS				1			1		1
MICHIGAN				1			1		1
MINNESOTA				1			1		1
OHIO				1			1	3	4
OREGON				1			1		1
UTAH				3			3		3
WASHINGTON				1			1		1
WISCONSIN				1			1		1
TOTAL MIDWEST & WEST			**1**	**13**			**14**	**4**	**18**
TOTAL NUMBER OF PLANTS	**6**	**6**	**38**	**95**	**35**	**9**	**182**	**16**	**204**
TOTAL NUMBER OF STATES	**4**	**4**	**13**	**27**	**12**	**6**	**30**	**9**	**31**

a. Artificial (Cellulosic) includes rayon, acetate and triacetate.
b. Acrylic includes modacrylic.
c. Nylon includes 1 aramid.
d. Other includes 1 fluorocarbon, 1 PBI, 1 polycarbonate, 1 saran, 3 spandex and 1 sulfar.

TABLE 3:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	0	0	6	1	4	0	139	0	37				187	
BRAZIL	53	110	55	0	54	76	22	53	53				476	
CANADA	745	619	686	613	656	532	399	634	533				5417	
CHILE	44	22	22	22	22	44	48	0	44				268	
GERMANY, FED. REP. OF	784	515	697	452	436	362	521	928	784				5479	
IRELAND	37	0	36	138	34	36	107	69	104				561	
JAPAN	55	121	122	185	110	206	57	81	72				1009	
KOREA, REP. OF	66	22	0	56	0	22	11	3	0				180	
MEXICO	156	99	171	45	153	144	213	141	169				1291	
NETHERLANDS	61	239	261	173	204	380	262	413	302				2295	
UNITED KINGDOM	75	68	113	135	75	66	84	40	71				727	
ALL OTHER COUNTRIES [a]	40	24	30	8	168	62	363	79	232				1006	
TOTAL ARTIFICIAL YARN	**2116**	**1839**	**2199**	**1828**	**1916**	**1930**	**2226**	**2441**	**2401**				**18896**	**12465**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	323	422	377	226	381	430	394	568	39				3160	
CANADA	4757	1990	4093	3462	3409	2370	1638	4140	3000				28859	
CHINA, PRC	104	0	369	0	752	0	110	0	0				1335	
GERMANY, DEM. REP.	0	0	95	43	82	80	44	0	0				344	
GERMANY, FED. REP. OF	68	67	95	116	124	142	208	179	236				1235	
JAPAN	150	521	422	263	107	60	84	61	174				1842	
SWITZERLAND	9	25	41	37	65	40	286	7	14				524	
TAIWAN	28	0	28	88	320	0	264	176	0				904	
UNITED KINGDOM	265	225	1	47	69	42	67	135	130				981	
ALL OTHER COUNTRIES [b]	273	241	123	138	111	255	42	261	126				1570	
TOTAL ARTIFICIAL STAPLE+TOW	**5977**	**3491**	**5644**	**4420**	**5420**	**3419**	**3137**	**5527**	**3719**				**40754**	**13472**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
ARGENTINA	0	30	46	0	11	38	1479	1	959				2564	
BELGIUM	0	56	115	171	343	236	568	685	399				2573	
BRAZIL	106	63	170	30	140	201	57	191	92				1050	
CANADA	3437	2926	2969	2399	3327	3304	2445	3580	3717				28104	
COSTA RICA	252	487	591	433	415	517	537	515	657				4404	
ECUADOR	91	26	144	0	58	23	71	33	33				479	
FRANCE	1180	1151	1079	1159	1159	1085	972	799	516				9100	
GERMANY, FED. REP. OF	2231	2204	2641	2514	2357	3691	2202	1988	2515				22343	
ISRAEL	299	217	172	149	285	244	117	124	103				1710	
ITALY	924	323	873	859	1031	132	489	526	620				5777	
JAPAN	469	610	568	609	548	502	845	1110	960				6221	
KOREA, REP. OF	10	49	7	81	98	42	89	0	59				435	
MEXICO	1447	2222	2385	1857	2527	2911	2490	2806	2210				20855	
NETHERLANDS	68	193	267	338	69	63	398	104	7				1507	
SINGAPORE	0	25	0	33	0	33	16	16	16				139	
TAIWAN	50	175	650	1296	2844	3217	3133	2680	1259				15304	
THAILAND	65	64	69	67	63	171	124	142	70				835	
UNITED KINGDOM	1482	1357	1409	1649	1790	1506	1635	2014	1437				14279	
ALL OTHER COUNTRIES [c]	36	175	221	260	67	330	189	324	443				2045	
TOTAL SYNTHETIC YARN	**12147**	**12353**	**14376**	**13904**	**17132**	**18246**	**17856**	**17638**	**16072**				**139724**	**88141**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	0	3	9	13	1	0	79	0	11				116	
AUSTRALIA	31	160	1	82	16	43	149	78	0				560	
BELGIUM	47	99	60	56	67	7	7	378	35				756	
CANADA	1413	737	1481	1489	1292	874	622	818	1242				9968	
FRANCE	230	[illegible]	253	405	388	336	136	519	102				2673	
GERMANY, FED. REP. OF	1985	[illegible]	1318	1293	1491	1780	1084	2057	753				13519	
INDIA	0	0	3772	3400	709	49	1772	2893	3690				16285	
IRELAND	280	480	305	348	0	36	0	0	0				1449	
ITALY	482	394	206	46	61	34	70	193	264				1750	
JAPAN	1773	1757	2303	2770	2429	1826	1929	2894	1648				19329	
KOREA, REP. OF	2297	3387	3933	4165	5687	4876	4806	2638	3190				34979	
MEXICO	1049	372	420	1016	783	462	579	797	434				5912	
NETHERLANDS	31	103	99	81	56	105	21	617	365				1478	
SPAIN	8	0	178	39	65	128	0	0	0				418	
SWITZERLAND	146	165	134	166	125	42	242	214	88				1322	
TAIWAN	262	235	215	808	917	2057	2093	1994	4020				12601	
TURKEY	18	0	0	0	111	37	90	105	0				361	
UNITED KINGDOM	2318	2304	1643	2107	2671	1229	1645	810	1535				16262	
ALL OTHER COUNTRIES [d]	2	53	45	56	29	28	0	241	111				565	
TOTAL SYNTHETIC STAPLE+TOW	**12372**	**12311**	**16375**	**18340**	**16898**	**13949**	**15324**	**17246**	**17488**				**140303**	**148065**

a. Belgium 617, Italy 110, Taiwan 68, China, PRC 51, France 43, Greece 41, Norway 32, Singapore 23, Egypt 21.
b. Poland 275, Australia 217, Italy 193, Romania 175, Korea Rep. of 171, France 121, Finland 116, Sweden 115, Belgium 73, Spain 47, Peru 37, India 18, Thailand 11, Mexico 1.
c. Ireland 493, Portugal 340, Egypt 258, Turkey 195, Austria 117, Peru 99, Romania 86, China, PRC 82, Spain 69, Switzerland 65, Australia 49, El Salvador 35, Nigeria 35, Morocco 26, Hong Kong 24, Colombia 21, Honduras 20, Sweden 12, Greece 10, Denmark 9.
d. Romania 201, Israel 169, Hong Kong 92, Brazil 59, Germany, Dem. Rep. 42, China, PRC 2.

Effective January 1, 1989 the U.S. Manufactured Imports for Consumption by Country of Origin are based on the new Harmonized System (HS). On pages 73 through 79 of the ***Fiber Organon***, April 1989 issue, we present the Harmonized Tariff Schedule of the United States covering cellulosic (artificial) and noncellulosic (synthetic) fibers, Annotated for Statistical Reporting Purposes. **Data for 1989 is not comparable to prior years.**

Selected U.S. Manufactured Imports for Consumption by Country of Origin for 1988 are published in the ***Textile Organon***, February 1989 issue, page 31.

TABLE 4:
U.S. MANUFACTURED FIBER IMPORTS
THOUSAND POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	114	266	408	205	111	192	176	252	148				1872	
TEXTURED	180	1	0	24	0	27	497	58	275				1062	
OTHER	1726	1532	1671	1449	1732	1673	1402	2036	1873				15094	
MONOFILAMENTS & STRIPS	96	40	120	150	73	38	151	95	105				868	
SUBTOTAL ABOVE	**2116**	**1839**	**2199**	**1828**	**1916**	**1930**	**2226**	**2441**	**2401**				**18896**	**12465**
STAPLE	5924	3481	5624	4403	5312	3419	3113	5451	3512				40239	
TOW	47	0	0	7	103	0	24	72	207				460	
TOPS	6	10	20	10	5	0	0	4	0				55	
SUBTOTAL ABOVE	**5977**	**3491**	**5644**	**4420**	**5420**	**3419**	**3137**	**5527**	**3719**				**40754**	**13472**
WASTE	18	122	47	213	0	0	0	94	44				538	5
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	1037	1093	1506	1578	1829	1964	1480	1706	1698				13891	
TEXTURED														
UP TO 450 DENIER	385	217	359	285	319	315	333	428	270				2911	
OVER 450 DENIER	1311	1054	1428	1294	1241	654	943	865	1164				9954	
OTHER	3820	3306	3786	3845	4296	5210	4007	4096	3664				36030	
MONOFILAMENTS & STRIPS	72	159	58	113	143	116	120	63	89				933	
SUBTOTAL ABOVE	**6625**	**5829**	**7137**	**7115**	**7828**	**8259**	**6883**	**7158**	**6885**				**63719**	**28991**
POLYESTER														
HIGH TENACITY	957	880	909	488	797	703	361	603	557				6255	
TEXTURED	883	1673	1738	1766	1775	2385	1747	2230	1822				16019	
POY	0	40	642	1088	2744	3214	3170	2407	989				14294	
OTHER	1152	1481	1719	1740	1324	1567	1551	1815	1487				13836	
MONOFILAMENTS & STRIPS	65	80	34	55	24	70	73	65	171				637	
SUBTOTAL ABOVE	**3057**	**4154**	**5042**	**5137**	**6664**	**7939**	**6902**	**7120**	**5026**				**51041**	**27347**
OTHER SYNTHETIC FILAMENT														
TEXTURED	2057	1685	1550	1054	2074	1555	1199	1981	1981				15136	
OTHER	261	386	339	274	171	136	1049	1015	944				4575	
MONOFILAMENTS & STRIPS	147	299	308	324	395	357	1823	364	1236				5253	
SUBTOTAL ABOVE	**2465**	**2370**	**2197**	**1652**	**2640**	**2048**	**4071**	**3360**	**4161**				**24964**	**31803**
STAPLE														
NYLON	1726	1896	1845	1592	1422	1273	1445	1611	1396				14206	
POLYESTER	5584	5594	10047	10627	10327	8674	9941	11597	12729				85120	
ACRYLIC	1934	1028	1576	1518	1206	1511	1335	2194	839				13141	
POLYPROPYLENE	44	55	197	351	93	220	298	55	150				1463	
OTHER	172	1040	651	740	167	165	259	245	83				3522	
TOW														
NYLON	237	433	257	504	341	315	225	524	221				3057	
POLYESTER	47	78	131	49	140	114	31	32	203				825	
ACRYLIC	2023	1709	1127	2522	2868	1462	1574	837	1751				15873	
OTHER	117	120	146	0	0	14	0	15	0				412	
TOPS	488	358	398	437	334	201	216	136	116				2684	
SUBTOTAL ABOVE	**12372**	**12311**	**16375**	**18340**	**16898**	**13949**	**15324**	**17246**	**17488**				**140303**	**148065**
WASTE														
NYLON	1971	1804	1754	2087	1949	2027	1769	2266	1265				16892	
POLYESTER	999	340	730	1029	846	973	1475	2106	1821				10319	
OTHER	396	725	477	486	547	389	326	675	897				4918	
TOTAL MANUFACTURED FIBERS ABOVE	**35996**	**32985**	**41602**	**42307**	**44708**	**40933**	**42113**	**47993**	**43707**				**372344**	**293149**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	229	84	46	26	74	73	105	171	124				932	
SPUN YARN	492	396	370	287	418	406	466	798	368				4001	
SPUN YARNS														
SYNTHETIC	517	686	517	258	677	1019	937	801	902				6314	
ARTIFICIAL	0	0	0	0	0	0	0	0	0				0	
PUT UP FOR RETAIL SALE	71	50	27	37	74	39	128	63	21				510	
GRAND TOTAL ABOVE	**37305**	**34201**	**42562**	**42915**	**45951**	**42470**	**43749**	**49826**	**45122**				**384101**	**351883**

SOURCE: U.S. Census Bureau Report IM145X.

Effective January 1, 1989 the U.S. Imports are based on the new Harmonized System (HS). On pages 73 through 79 of the ***Fiber Organon***, April 1989 issue, we present the Harmonized Tariff Schedule of the United States covering cellulosic (artificial) and noncellulosic (synthetic) fibers, Annotated for Statistical Reporting Purposes. **Data for 1989 is not comparable to prior years.**

U.S. Monthly Imports of Manufactured Fibers for 1988, are published in the ***Textile Organon***, February 1989 issue, on page 32.

TABLE 5:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	9	13	45	26	30	16	74	117	78				408	
TEXTURED	463	17	29	1	29	28	1009	26	26				1628	
OTHER	694	63	18	60	21	15	51	30	6				958	
MONOFILAMENTS & STRIPS	90	0	7	93	5	9	21	12	[illegible]				239	
SUBTOTAL ABOVE	**1256**	**93**	**99**	**180**	**85**	**68**	**1155**	**185**	**112**				**3233**	**10014**
STAPLE	2827	1786	1325	920	1659	1786	2084	2167	1495				16049	
TOPS	94	0	8	129	53	48	7	101	133				573	
SUBTOTAL ABOVE	**2921**	**1786**	**1333**	**1049**	**1712**	**1834**	**2091**	**2268**	**1628**				**16622**	**18914**
WASTE	**1303**	**559**	**1587**	**1116**	**1635**	**1108**	**1021**	**551**	**491**				**9371**	**1730**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	9331	9410	7884	16614	6326	6999	11613	7987	7577				83741	
TEXTURED														
UP TO 450 DENIER	522	586	719	666	819	1271	488	856	954				6881	
OVER 450 DENIER	4706	5051	5459	4430	4096	3626	3176	4030	3042				37616	
OTHER	2038	2103	2133	2188	2571	2003	1669	2028	1758				18491	
MONOFILAMENTS & STRIPS	239	258	187	131	204	303	282	134	27				1765	
SUBTOTAL ABOVE	**16836**	**17408**	**16382**	**24029**	**14016**	**14202**	**17228**	**15035**	**13358**				**148494**	**122478**
POLYESTER														
HIGH TENACITY	3031	3122	2773	3282	4214	4080	3334	3490	2679				30005	
TEXTURED	3651	3677	2385	2939	3208	3577	1341	2557	2583				25918	
POY	939	1250	2204	1446	629	528	2782	289	655				10722	
OTHER	1007	584	829	983	777	1186	933	722	975				7996	
MONOFILAMENTS & STRIPS	208	213	203	132	302	332	275	346	353				2364	
SUBTOTAL ABOVE	**8836**	**8846**	**8394**	**8782**	**9130**	**9703**	**8665**	**7404**	**7245**				**77005**	**67212**
OTHER SYNTHETIC FILAMENT														
TEXTURED	1033	457	872	903	992	634	980	995	603				7469	
OTHER	1342	1471	1735	1730	1559	1332	1724	1527	1938				14358	
MONOFILAMENTS & STRIPS	486	421	771	1317	927	987	687	860	675				7131	
SUBTOTAL ABOVE	**2861**	**2349**	**3378**	**3950**	**3478**	**2953**	**3391**	**3382**	**3216**				**28958**	**33733**
STAPLE														
NYLON	2605	3265	3262	2629	3280	3985	2532	1797	2075				25430	
POLYESTER	14048	10762	12940	12923	10675	7497	8203	8432	6815				92295	
ACRYLIC	3326	5674	6643	6896	6342	9369	8569	6419	4571				57809	
POLYPROPYLENE	1336	1569	1129	2264	2714	2477	1995	1454	8124				23062	
OTHER	836	2036	1489	2562	1734	1757	2004	1412	2180				16010	
TOW														
NYLON	31	50	50	108	141	86	56	61	32				615	
POLYESTER	37	564	472	634	7	621	541	113	319				3308	
ACRYLIC	1037	1761	2185	3302	1467	829	1070	899	1013				13563	
OTHER	161	16	34	503	9	7	77	13	213				1033	
TOPS	847	964	1224	2191	3092	1230	1557	3000	2448				16553	
SUBTOTAL ABOVE	**24264**	**26661**	**29428**	**34012**	**29461**	**27858**	**26604**	**23600**	**27790**				**249678**	**300795**
WASTE														
NYLON	2127	2118	2159	2883	2102	2007	1852	2750	2640				20638	
POLYESTER	4369	3980	3189	5535	3685	2726	3631	2444	3115				32674	
OTHER	5113	6957	8080	6731	7071	5876	8304	5850	3966				57948	
TOTAL MANUFACTURED FIBERS ABOVE	**69886**	**70757**	**74029**	**88267**	**72375**	**68335**	**73942**	**63469**	**63561**				**644621**	**661555**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	13	51	43	74	9	93	41	77	46				447	
SPUN YARN	0	0	0	0	0	0	0	0	0				0	
SPUN YARNS														
SYNTHETIC	732	959	1152	1172	1944	1089	856	1532	1452				10888	
ARTIFICIAL	0	0	0	0	0	0	0	0	2				2	
PUT UP FOR RETAIL SALE	606	740	923	580	532	435	536	704	521				5577	
GRAND TOTAL ABOVE	**71237**	**72507**	**76147**	**90093**	**74860**	**69952**	**75375**	**65782**	**65582**				**661535**	

SOURCE: U.S. Census Bureau Report EM522.

Effective January 1,1989 the U.S. Exports are based on the new Harmonized System (HS). On pages 73 through 79 of the ***Fiber Organon***, April 1989 issue, we present the Harmonized Tariff Schedule of the United States covering cellulosic (artificial) and noncellulosic (synthetic) fibers, Annotated for Statistical Reporting Purposes. **Data for 1989 is not comparable to prior years.**

U.S. Monthly Exports of Manufactured Fibers for 1988, are published in the ***Textile Organon***, February 1989 issue, on page 33.

TABLE 6:
QUARTERLY MANUFACTURED FIBER DATA

MILLION POUNDS

ITEM	1987 1ST Q	1987 2ND Q	1987 3RD Q	1987 4TH Q	1987 YEAR	1988 1ST Q	1988 2ND Q	1988 3RD Q	1988 4TH Q	1988 YEAR	1989 1ST Q	1989 2ND Q	1989 3RD Q	1989 4TH Q	1989 YEAR
						YARN+MONOFILAMENTS									
CELLULOSIC YARN [d]															
PRODUCTION	46.2	46.7	45.2	53.0	191.1	49.1	54.4	54.9	55.5	213.9	52.7	55.8	56.7		
SHIPMENTS - DOMESTIC	39.2	43.6	40.2	43.8	166.8	41.4	47.3	45.8	48.1	182.6	46.0	50.3	45.6		
- EXPORT	5.0	5.9	6.1	7.9	24.9	8.7	7.9	10.0	7.5	34.1	6.8	7.9	8.4		
TOTAL SHIPMENTS	44.2	49.5	46.3	51.7	191.7	50.1	55.2	55.8	55.6	216.7	52.8	58.2	54.0		
ENDING STOCK	16.8	14.0	12.9	14.2		13.2	12.4	11.5	11.4		11.3	8.9	11.6		
IMPORTS	3.0	2.5	2.7	4.4	12.6	4.0	4.0	4.4	5.2	17.6	6.2	5.7	7.1		
TOTAL AVAILABLE	42.2	46.1	42.9	48.2	179.4	45.4	51.3	50.2	53.3	200.2	52.2	56.0	52.7		
NYLON															
PRODUCTION	414.1	427.5	432.9	422.7	1697.2	431.7	440.0	428.8	427.0	1727.5	436.9	447.5	434.8		
SHIPMENTS - DOMESTIC	389.3	394.8	405.8	364.4	1554.3	387.8	395.4	391.1	398.1	1572.4	387.9	399.7	400.9		
- EXPORT	32.1	37.9	33.7	35.8	139.5	39.6	38.1	41.5	46.8	166.0	42.7	38.9	34.8		
TOTAL SHIPMENTS	421.4	432.7	439.5	400.2	1693.8	427.4	433.5	432.6	444.9	1738.4	430.6	438.6	435.7		
ENDING STOCK	125.5	120.3	113.7	136.2		140.5	147.0	143.2	125.3		131.6	140.5	139.6		
OLEFIN [a]															
PRODUCTION	255.8	283.9	287.4	306.7	1133.8	307.6	313.8	296.6	306.1	1224.1	313.8	324.5	308.0		
SHIPMENTS - DOMESTIC	261.5	281.8	287.5	304.7	1135.5	303.5	307.7	288.8	299.8	1199.8	308.0	315.5	301.6		
- EXPORT	2.7	1.7	1.8	2.1	8.3	2.7	5.9	6.0	5.2	19.8	5.2	6.3	4.8		
TOTAL SHIPMENTS	264.2	283.5	289.3	306.8	1143.8	306.2	313.6	294.8	305.0	1219.6	313.2	321.8	306.4		
ENDING STOCK	54.5	54.9	53.0	52.9		54.3	54.5	56.3	57.4		58.0	60.7	62.3		
POLYESTER															
PRODUCTION	287.7	303.3	293.9	293.8	1178.7	284.5	313.5	304.6	326.1	1228.7	314.4	325.3	307.4		
SHIPMENTS - DOMESTIC	266.8	285.2	280.8	280.6	1113.4	266.7	291.9	278.2	320.6	1157.4	292.0	303.6	265.1		
- EXPORT	16.4	18.4	15.8	16.3	66.9	18.8	17.8	16.7	21.4	74.7	15.9	13.1	13.3		
TOTAL SHIPMENTS	283.2	303.6	296.6	296.9	1180.3	285.5	309.7	294.9	342.0	1232.1	307.9	316.7	278.4		
ENDING STOCk	115.4	115.1	112.4	109.3		108.3	112.1	121.8	105.9		112.4	121.0	150.0		
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	957.6	1014.7	1014.2	1023.2	4009.7	1023.8	1067.3	1030.0	1059.2	4180.3	1065.1	1097.3	1050.2		
SHIPMENTS - DOMESTIC	917.6	961.8	974.1	949.7	3803.2	958.0	995.0	958.1	1018.5	3929.6	987.9	1018.8	967.6		
- EXPORT	51.2	58.0	51.3	54.2	214.7	61.1	61.8	64.2	73.4	260.5	63.8	58.3	52.9		
SHIPMENTS	968.8	1019.8	1025.4	1003.9	4017.9	1019.1	1056.8	1022.3	1091.9	4190.1	1051.7	1077.1	1020.5		
ENDING STOCK	295.4	290.3	279.1	298.4		303.1	313.6	321.3	288.6		302.0	322.2	351.9		
DOMESTIC SHIPMENTS	917.6	961.8	974.1	949.7	3803.2	958.0	995.0	958.1	1018.5	3929.6	987.9	1018.8	967.6		
IMPORTS -TEXTURED YARN [b]	19.3	15.1	17.2	16.9	68.5	15.7	14.7	16.1	14.1	60.6	14.3	14.7	15.0		
-OTHER YARN [b]	13.3	12.4	11.9	11.3	48.9	11.2	11.1	11.9	13.4	47.6	23.4	33.0	33.2		
-MONOFILAMENTS	0.8	0.9	1.0	1.1	3.8	1.8	2.3	2.0	2.0	8.1	1.2	1.6	3.4		
TOTAL IMPORTS	33.4	28.4	30.1	29.3	121.2	28.7	28.1	30.0	29.5	116.3	38.9	49.3	51.6		
TOTAL AVAILABLE	951.0	990.2	1004.2	979.0	3924.4	986.7	1023.1	988.1	1048.0	4045.9	1026.8	1068.1	1019.2		
						GLASS FIBER									
TOTAL SHIPMENTS	366.1	392.5	383.3	371.2	1513.1	386.4	415.2	405.9	380.2	1587.7	394.2	407.3	370.4		
IMPORTS	4.9	5.6	11.3	7.6	29.4	5.6	7.1	6.5	7.0	26.2	0.7	1.2	2.1		

FOOTNOTES FOR TABLE ABOVE & OPPOSITE:

"**Imports**" are imports for consumption, as reported by the U.S. Census Bureau.

a. Also include film fiber as well as spunbonded polypropylene.

b. Includes singles and plied.

c. For 1987-1988, these figures are composites of the nylon, acrylic+modacrylic and polyester staple imports, i.e., Commodity Numbers 309.4331, .4351, .4336 & .4361. For 1989, Harmonized Tariff Schedule numbers, please see pages 73-79 of the April 1989 ***Fiber Organon.***

d. Includes both rayon & acetate yarn.

e. For 1987-1988, these figures are composites of olefin and other staple imports, i.e., Commodity Numbers 309.4371, .4341 & .4390. For 1989, Harmonized Tariff Schedule numbers, please see pages 73-79 of the April 1989 ***Fiber Organon.***

f. 1987-1989 data exclude Vinyon.

TABLE 6:
QUARTERLY MANUFACTURED FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1987 1ST Q	1987 2ND Q	1987 3RD Q	1987 4TH Q	1987 YEAR	1988 1ST Q	1988 2ND Q	1988 3RD Q	1988 4TH Q	1988 YEAR	1989 1ST Q	1989 2ND Q	1989 3RD Q	1989 4TH Q	1989 YEAR
						STAPLE+TOW									
RAYON															
PRODUCTION	**101.3**	**100.5**	**103.6**	**108.4**	**413.8**	**106.6**	**101.2**	**99.4**	**92.6**	**399.8**	**100.8**	**101.2**	**83.2**		
SHIPMENTS - DOMESTIC	91.8	91.0	97.9	102.4	383.1	101.9	102.0	94.0	88.1	386.0	99.7	91.7	76.6		
- EXPORT	8.1	8.2	12.6	3.5	32.4	5.1	6.1	5.5	3.8	20.5	3.4	5.4	4.3		
TOTAL SHIPMENTS	**99.9**	**99.2**	**110.5**	**105.9**	**415.5**	**107.0**	**108.1**	**99.5**	**91.9**	**406.5**	**103.1**	**97.1**	**80.9**		
ENDING STOCK	**23.8**	**25.1**	**18.2**	**20.7**		**20.3**	**13.4**	**13.3**	**14.0**		**11.7**	**15.8**	**18.1**		
DOMESTIC SHIPMENTS	91.8	91.0	97.9	102.4	383.1	101.9	102.0	94.0	88.1	386.0	99.7	91.7	76.6		
IMPORTS FOR CONSUMPTION															
STAPLE	3.9	3.8	2.6	2.7	13.0	3.2	3.8	5.5	6.5	19.0	} 15.1	13.3	12.4		
GROUPED FILAMENTS	0.2	0.1	0.4	0.2	0.9	0.2	0.3	0.5	0.4	1.4					
TOTAL IMPORTS	4.1	3.9	3.0	2.9	13.9	3.4	4.1	6.0	6.9	20.4	15.1	13.3	12.4		
TOTAL AVAILABLE	**95.9**	**94.9**	**100.9**	**105.3**	**397.0**	**105.3**	**106.1**	**100.0**	**95.0**	**406.4**	**114.8**	**105.0**	**89.0**		
NYLON															
PRODUCTION	**247.4**	**261.0**	**252.8**	**231.2**	**992.4**	**231.5**	**235.9**	**226.6**	**247.7**	**941.7**	**253.0**	**242.0**	**241.0**		
SHIPMENTS-DOMESTIC	246.2	253.2	246.2	220.4	966.0	239.4	223.9	241.6	240.0	944.9	242.0	231.2	245.8		
-EXPORT	5.3	5.0	3.7	5.5	19.5	4.3	4.3	4.9	5.5	19.0	7.5	4.8	5.4		
TOTAL SHIPMENTS	**251.5**	**258.2**	**249.9**	**225.9**	**985.5**	**243.7**	**228.2**	**246.5**	**245.5**	**963.9**	**249.5**	**236.0**	**251.2**		
ENDING STOCK	**58.7**	**61.5**	**64.4**	**69.7**		**57.5**	**65.2**	**45.3**	**47.5**		**51.0**	**57.0**	**46.8**		
IMPORTS	14.8	8.7	8.6	6.9	39.0	4.9	5.1	5.4	6.5	21.9	6.2	5.4	5.4		
TOTAL AVAILABLE	**261.0**	**261.9**	**254.8**	**227.3**	**1005.0**	**244.3**	**229.0**	**247.0**	**246.5**	**966.8**	**248.2**	**236.6**	**251.2**		
ACRYLIC+MODACRYLIC															
PRODUCTION	**155.7**	**159.0**	**135.3**	**141.5**	**591.5**	**148.8**	**150.9**	**141.5**	**146.9**	**588.1**	**144.3**	**145.6**	**129.4**		
SHIPMENTS-DOMESTIC	139.4	131.6	112.8	95.5	479.3	109.0	109.3	107.3	95.5	421.1	112.9	112.4	102.8		
-EXPORT	14.7	17.0	32.0	51.4	115.1	47.7	29.1	39.8	52.5	169.1	23.6	32.5	30.0		
TOTAL SHIPMENTS	**154.1**	**148.6**	**144.8**	**146.9**	**594.4**	**156.7**	**138.4**	**147.1**	**148.0**	**590.2**	**136.5**	**144.9**	**132.8**		
ENDING STOCK	**67.8**	**78.2**	**68.7**	**63.3**		**55.4**	**67.9**	**62.3**	**61.2**		**69.0**	**69.7**	**66.3**		
IMPORTS	3.3	4.1	4.6	3.7	15.7	3.3	4.4	3.3	4.3	15.3	9.4	11.1	8.5		
TOTAL AVAILABLE	**142.7**	**135.7**	**117.4**	**99.2**	**495.0**	**112.3**	**113.7**	**110.6**	**99.8**	**436.4**	**122.3**	**123.5**	**111.3**		
OLEFIN+VINYON [f]															
PRODUCTION	**85.5**	**92.3**	**92.1**	**90.6**	**360.5**	**94.3**	**94.5**	**85.9**	**89.3**	**364.0**	**97.2**	**97.7**	**92.0**		
SHIPMENTS-DOMESTIC	81.1	85.7	86.1	88.2	341.1	83.8	87.6	84.8	88.0	344.2	91.6	93.5	91.4		
-EXPORT	6.9	5.7	5.4	4.8	22.8	5.6	5.8	4.4	3.8	19.6	3.1	3.7	3.4		
TOTAL SHIPMENTS	**88.0**	**91.4**	**91.5**	**93.0**	**363.9**	**89.4**	**93.4**	**89.2**	**91.8**	**363.8**	**94.7**	**97.2**	**94.8**		
ENDING STOCK	**31.0**	**31.9**	**32.5**	**30.1**		**35.0**	**36.1**	**32.8**	**30.3**		**32.8**	**33.3**	**30.5**		
POLYESTER															
PRODUCTION	**581.0**	**596.2**	**578.4**	**606.2**	**2361.8**	**587.4**	**619.5**	**604.3**	**640.6**	**2451.8**	**609.4**	**648.8**	**591.0**		
SHIPMENTS-DOMESTIC	534.4	549.9	537.5	579.2	2201.0	558.3	572.5	551.2	629.8	2311.8	575.4	594.6	543.0		
-EXPORT	48.2	47.0	38.3	34.7	168.2	27.8	31.1	38.2	40.0	137.1	34.9	21.7	20.1		
TOTAL SHIPMENTS	**582.6**	**596.9**	**575.8**	**613.9**	**2369.2**	**586.1**	**603.6**	**589.4**	**669.8**	**2448.9**	**610.3**	**616.3**	**563.1**		
ENDING STOCK	**162.3**	**161.6**	**164.2**	**156.5**		**157.8**	**173.7**	**188.6**	**159.4**		**158.5**	**191.0**	**218.9**		
IMPORTS	15.5	17.4	23.4	14.4	70.7	15.0	20.7	22.3	15.2	73.2	21.5	29.9	34.5		
TOTAL AVAILABLE	**549.9**	**567.3**	**560.9**	**593.6**	**2271.7**	**573.3**	**593.2**	**573.5**	**645.0**	**2385.0**	**596.9**	**624.5**	**577.5**		
TOTAL NONCELLULOSIC															
PRODUCTION	**1069.6**	**1108.5**	**1058.6**	**1069.5**	**4306.2**	**1062.0**	**1100.8**	**1058.3**	**1124.5**	**4345.6**	**1103.9**	**1134.1**	**1053.4**		
SHIPMENTS-DOMESTIC	1001.1	1020.4	982.6	983.3	3987.4	990.5	993.3	984.9	1053.3	4022.0	1021.9	1031.7	983.0		
-EXPORT	75.1	74.7	79.4	96.4	325.6	85.4	70.3	87.3	101.8	344.8	69.1	62.7	58.9		
TOTAL SHIPMENTS	**1076.2**	**1095.1**	**1062.0**	**1079.7**	**4313.0**	**1075.9**	**1063.6**	**1072.2**	**1155.1**	**4366.8**	**1091.0**	**1094.4**	**1041.9**		
ENDING STOCK	**319.8**	**333.2**	**329.8**	**319.6**		**305.7**	**342.9**	**329.0**	**298.4**		**311.3**	**351.0**	**362.5**		
DOMESTIC SHIPMENTS	1001.1	1020.4	982.6	983.3	3987.4	990.5	993.3	984.9	1053.3	4022.0	1021.9	1031.7	983.0		
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE [c]	33.6	30.2	36.6	25.0	125.4	23.2	30.2	31.0	26.0	110.4	37.1	46.4	48.4		
OTHER N.C. STAPLE [e]	2.8	3.6	3.7	3.4	13.5	5.6	5.7	4.3	4.2	19.8	} 4.0	2.8	1.7		
GROUPED FILAMENTS	12.4	12.4	12.1	13.1	50.0	14.5	17.8	15.7	17.8	65.8					
TOTAL IMPORTS	48.8	46.2	52.4	41.5	188.9	43.3	53.7	51.0	48.0	196.0	41.1	49.2	50.1		
TOTAL AVAILABLE	**1049.9**	**1066.6**	**1035.0**	**1024.8**	**4176.3**	**1033.8**	**1047.0**	**1035.9**	**1101.3**	**4218.0**	**1063.0**	**1080.9**	**1033.1**		

See footnotes on opposite page.

TABLE 7:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1989	1988
MANUFACTURED FIBER TOTAL SHIPMENTS[b c]														
ARTIFICIAL (CELLULOSIC)														
YARN	17.3	17.1	18.4	21.5	18.3	18.4	18.9	17.8	17.3	19.9			184.9	179.7
RAYON STAPLE	34.5	32.1	36.5	31.4	34.8	30.9	24.8	29.4	26.7	DATA NO LONGER AVAILABLE				
TOTAL ARTIFICIAL (CELLULOSIC)	**51.8**	**49.2**	**54.9**	**52.9**	**53.1**	**49.3**	**43.7**	**47.2**	**44.0**	**19.9**			**184.9**	**179.7**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	31.3	30.5	32.6	32.3	28.9	32.7	29.1	29.2	28.6	28.8			304.0	310.1
- CARPET	74.9	77.2	82.0	77.5	86.1	78.5	73.4	89.9	88.7	79.5			807.7	817.8
- TEXTILE [f]	33.9	33.2	35.0	34.6	33.8	34.2	31.8	32.3	32.7	33.1			334.6	316.2
POLYESTER - INDUSTRIAL[d]	28.6	29.7	30.9	32.2	30.4	32.8	29.8	32.5	29.2	30.3			306.4	299.8
- TEXTILE[f]	73.2	71.2	74.4	78.2	77.0	66.1	73.5	54.9	58.5	62.5			689.5	699.4
OLEFIN[e]	105.3	104.3	103.6	104.1	112.3	105.5	94.8	107.0	107.0	109.4			1053.3	1020.8
TOTAL YARN	**347.2**	**346.1**	**358.5**	**358.9**	**368.5**	**349.8**	**332.4**	**345.8**	**344.7**	**343.6**			**3495.5**	**3464.1**
STAPLE+TOW+FIBERFILL														
NYLON	82.3	78.4	88.8	76.4	81.3	78.3	74.9	90.8	85.5	85.9			822.6	808.0
ACRYLIC+MODACRYLIC	41.7	46.2	48.6	49.2	51.7	44.0	41.1	47.6	44.1	44.0			458.2	491.0
POLYESTER	205.8	192.1	212.4	214.3	208.1	193.9	182.3	198.8	182.0	200.4			1990.1	2007.4
OLEFIN	31.1	31.6	32.0	31.4	32.3	31.2	27.8	33.9	33.1	33.4			317.8	301.2
TOTAL STAPLE	**360.9**	**348.3**	**381.8**	**371.3**	**373.4**	**347.4**	**326.1**	**371.1**	**344.7**	**363.7**			**3588.7**	**3607.6**
TOTAL SYNTHETIC (NONCELLULOSIC)	**708.1**	**694.4**	**740.3**	**730.2**	**741.9**	**697.2**	**658.5**	**716.9**	**689.4**	**707.3**			**7084.2**	**7071.7**
TOTAL MANUFACTURED FIBER	**759.9**	**743.6**	**795.2**	**783.1**	**795.0**	**746.5**	**702.2**	**764.1**	**733.4**	**727.2**			**7269.1**	**7251.4**
MANUFACTURED FIBER END-OF-MONTH STOCK														
ARTIFICIAL (CELLULOSIC)														
YARN	11.7	10.9	11.3	10.4	9.7	8.9	11.0	10.7	11.6	10.2			10.2	12.3
RAYON STAPLE	13.0	13.2	11.7	12.5	13.4	15.8	16.8	16.3	18.1	DATA NO LONGER AVAILABLE				
TOTAL ARTIFICIAL (CELLULOSIC)	**24.7**	**24.1**	**23.0**	**22.9**	**23.1**	**24.7**	**27.8**	**27.0**	**29.7**	**10.2**			**10.2**	**12.3**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	24.4	24.8	22.4	22.9	24.2	24.5	26.7	27.3	28.7	30.4			30.4	28.6
- CARPET	63.5	63.2	62.8	68.7	64.0	66.8	73.6	59.3	54.6	51.5			51.5	53.3
- TEXTILE[f]	47.1	48.3	46.4	47.0	47.4	49.2	52.7	54.1	56.3	55.3			55.3	52.9
POLYESTER - INDUSTRIAL[d]	35.0	31.4	30.6	31.6	30.9	31.9	33.9	32.3	33.2	33.9			33.9	30.7
- TEXTILE[f]	73.5	76.9	81.8	85.1	85.0	89.1	99.7	115.7	116.8	117.7			117.7	90.1
OLEFIN[e]	53.1	53.8	58.0	57.8	58.5	60.7	61.1	60.6	62.3	61.9			61.9	52.0
TOTAL YARN	**296.6**	**298.4**	**302.0**	**313.1**	**310.0**	**322.2**	**347.7**	**349.3**	**351.9**	**350.7**			**350.7**	**307.6**
STAPLE+TOW+FIBERFILL														
NYLON	51.8	52.9	51.0	57.5	57.5	57.0	59.1	46.9	46.8	48.8			48.8	39.9
ACRYLIC+MODACRYLIC	70.5	68.3	69.0	67.3	65.2	69.7	71.7	69.3	66.3	67.2			67.2	63.1
POLYESTER	163.5	163.8	158.5	164.4	176.2	191.0	226.5	233.6	218.9	219.7			219.7	177.5
OLEFIN	31.0	31.3	32.8	34.3	35.2	33.3	34.2	34.1	30.5	33.2			33.2	34.1
TOTAL STAPLE	**316.8**	**316.3**	**311.3**	**323.5**	**334.1**	**351.0**	**391.5**	**383.9**	**362.5**	**368.9**			**368.9**	**314.6**
TOTAL SYNTHETIC (NONCELLULOSIC)	**613.4**	**614.7**	**613.3**	**636.6**	**644.1**	**673.2**	**739.2**	**733.2**	**714.4**	**719.6**			**719.6**	**622.2**
TOTAL MANUFACTURED FIBER	**638.1**	**638.8**	**636.3**	**659.5**	**667.2**	**697.9**	**767.0**	**760.2**	**744.1**	**729.8**			**729.8**	**634.5**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.1	12.8	14.1	11.5	11.5	11.3	10.6	10.9					94.8	96.1
CARPET CLASS WOOL	0.8	1.4	1.5	1.6	1.6	1.3	1.2	1.5					10.9	10.9
TOTAL RAW WOOL	**12.9**	**14.2**	**15.6**	**13.1**	**13.1**	**12.6**	**11.8**	**12.4**					**105.7**	**107.0**
RAW COTTON	289.5	301.0	339.2	305.7	362.3	343.5	286.8	341.0	404.4				2973.4	2670.8

a. "Year to date" totals for stock, are the latest month's figures. **Data for Rayon staple no longer available.**

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic shipments plus export shipments.

d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

f. Includes low denier industrial yarn.

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FIBER ORGANON

Formerly Textile Organon

Volume 60, No. 12 ☐ December 1989

A publication of *Fiber Economics Bureau, Inc.*

Highlights

- Worldwide Natural Fiber Survey...begins on page 263.
- November 1989 Capacity Survey Analysis...begins on page 269.

SHIPMENTS:

In November, total manufactured fiber shipments reached 682 million pounds, 6% below the 727 million pounds shipped in October and 9% below the 747 million pounds shipped in November 1988.

November shipments of synthetic (noncellulosic) filament yarn fell 4% to 330 million pounds and staple+tow fell 8% to 336 million pounds.

Contributing to the decrease in shipments over the previous month were polyester industrial yarn down 13% or 4 million pounds, polyester textile yarn down 11% or 7 million pounds and olefin staple+tow down 3 million pounds or 10%.

Year-to-date domestic shipments of manufactured fiber are up slightly and exports are down 19%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1989 NOV	1989 OCT	% CHG 11/89 - 10/89	1988 NOV	% CHG 11/89 - 11/88	YEAR TO DATE [d] 1989	YEAR TO DATE [d] 1988	% CHG YTD 1989-1988
ARTIFICIAL (CELLULOSIC)								
YARN	14.8	19.9	*-25.6*	17.0	*-12.9*	199.7	196.7	*+1.5*
RAYON STAPLE [d]	NA	NA	*NA*	NA	*NA*	NA	NA	*NA*
TOTAL ARTIFICIAL (CELL.)	**14.8**	**19.9**	***-25.6***	**17.0**	***-12.9***	**199.7**	**196.7**	***+1.5***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	28.7	28.8	*-0.3*	33.7	*-14.8*	332.7	343.8	*-3.2*
- CARPET	78.7	79.5	*-1.0*	82.2	*-4.3*	886.7	900.0	*-1.5*
- TEXTILE [a]	32.9	33.1	*-0.6*	34.0	*-3.2*	367.5	350.2	*+4.9*
POLYESTER - INDUSTRIAL	26.4	30.3	*-12.9*	28.7	*-8.0*	332.8	328.5	*+1.3*
- TEXTILE [a]	55.6	62.5	*-11.0*	79.0	*-29.6*	745.1	778.4	*-4.3*
OLEFIN	108.1	109.4	*-1.2*	102.2	*+5.8*	1161.4	1123.0	*+3.4*
TOTAL YARN	**330.4**	**343.6**	***-3.8***	**359.8**	***-8.2***	**3825.9**	**3823.9**	***+0.1***
STAPLE+TOW+FIBERFILL								
NYLON	81.9	85.9	*-4.7*	77.9	*+5.1*	904.5	885.9	*+2.1*
ACRYLIC+MODACRYLIC	41.9	44.0	*-4.8*	50.1	*-16.4*	500.1	541.1	*-7.6*
POLYESTER	182.4	200.4	*-9.0*	209.0	*-12.7*	2172.5	2216.4	*-2.0*
OLEFIN	30.1	33.4	*-9.9*	33.0	*-8.8*	347.9	334.2	*+4.1*
TOTAL STAPLE	**336.3**	**363.7**	***-7.5***	**370.0**	***-9.1***	**3925.0**	**3977.6**	***-1.3***
TOTAL SYNTHETIC (NONCELL.)	**666.7**	**707.3**	***-5.7***	**729.8**	***-8.6***	**7750.9**	**7801.5**	***-0.6***
TOTAL MANUFACTURED FIBER	**681.5**	**727.2**	***-6.3***	**746.8**	***-8.7***	**7950.6**	**7998.2**	***-0.6***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	645.2	687.4	*-6.1*	687.3	*-6.1*	7512.1	7457.5	*+0.7*
EXPORTS [c]	36.3	39.8	*-8.8*	59.5	*-39.0*	438.5	540.7	*-18.9*

NA No longer available

a. Includes low denier industrial yarn.
b. Includes olefin exports
c. Excludes olefin exports.
d. **Data for rayon staple no longer available.**

December 1989

Fiber Organon

A Monthly Review

Formerly ***Textile Organon***

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WORLDWIDE NATURAL FIBER SURVEY

For the season beginning August 1, 1988, worldwide production of cotton reached 85 million bales, a gain of 4% over the previous season. The two largest producers, the People's Republic of China and the United States, together account for 41% of the worldwide gain. Worldwide consumption at 84 million bales exceeded production by one million bales, reducing the carryover to the 1989 season.

Cotton production in the United States grew 4% during the 1988 season to reach 15 million bales. At that level, production exceeded consumption and exports by one million bales, increasing the carryover of raw cotton. Although the U.S. has a net export balance of raw cotton, there was a net import balance of cotton yarn and manufactured goods equal to 4 million bales in 1988.

In 1988, worldwide production of raw wool (greasy basis) grew 3% over the 1987 level to reach 7,337 million pounds. Australia with 29% of world wool production increased output by 64 million pounds. The remaining major wool producing nations which grow over half the world's supply increased output 94 million pounds. The major portion of the increase or 176 million pounds came from the "other" nations that account for only 17% of world wool production.

Raw wool production in the United States remained unchanged during the 1988 season at 88 million pounds.

TABLE 2:
WORLDWIDE PRODUCTION, CONSUMPTION, EXPORT & CARRYOVER OF RAW COTTON
MILLION BALES[a] & *PERCENT*

SEASON BEGINNING AUGUST 1	PRODUCTION[b]						CONSUMPTION[c]						EXPORT[d]						CARRYOVER[e]					
	TOTAL		U.S.A.		FOREIGN		TOTAL		U.S.A.		FOREIGN		TOTAL		U.S.A.		FOREIGN		TOTAL		U.S.A.		FOREIGN	
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954 f	38.4	100	14.0	37	24.4	63	37.2	100	9.3	25	27.9	75	12.4	100	4.0	32	8.4	68	17.0	100	5.4	32	11.6	68
1955-1959 f	43.9	100	12.9	30	31.0	70	44.2	100	8.7	20	35.5	80	14.7	100	5.1	35	9.6	65	22.7	100	10.9	48	11.8	52
1960-1964 f	48.7	100	14.9	31	33.8	69	47.4	100	8.7	18	38.7	82	16.6	100	5.0	30	11.6	70	21.7	100	9.3	43	12.4	57
1965-1969 f	52.3	100	10.6	20	41.7	80	54.0	100	8.9	17	45.1	83	17.4	100	3.6	21	13.8	79	26.7	100	11.3	42	15.4	58
1970-1974 f	60.9	100	11.8	19	49.1	81	58.8	100	7.5	13	51.3	87	20.0	100	4.5	23	15.5	77	23.0	100	4.3	19	18.7	81
1975-1979 f	59.7	100	11.8	20	47.9	80	62.1	100	6.7	11	55.4	89	19.8	100	5.8	29	14.0	71	26.5	100	4.3	16	22.2	84
1980-1984 f	70.6	100	11.9	17	58.7	83	67.0	100	5.6	8	61.4	92	20.1	100	6.1	30	14.0	70	23.5	100	4.6	20	18.9	80
1985-1989 f	79.3	100	13.0	17	66.3	83	82.8	100	7.4	8	75.4	92	24.6	100	5.9	24	18.7	76	36.9	100	6.1	17	30.8	83
1978	59.4	100	10.9	18	48.5	82	63.2	100	6.4	10	56.8	90	19.9	100	6.2	31	13.7	69	26.6	100	5.3	20	21.3	80
1979	64.6	100	14.6	23	50.0	77	65.1	100	6.5	10	58.6	90	23.2	100	9.2	40	14.0	60	23.3	100	4.0	17	19.3	83
1980	63.7	100	11.1	17	52.6	83	65.3	100	5.9	9	59.4	91	19.9	100	5.9	30	14.0	70	22.9	100	3.0	13	19.9	87
1981	69.1	100	15.6	23	53.5	77	65.1	100	5.3	8	59.8	92	21.0	100	6.6	31	14.4	69	21.1	100	2.7	13	18.4	87
1982	66.4	100	12.0	18	54.4	82	66.5	100	5.5	8	61.0	92	18.6	100	5.2	28	13.4	72	24.3	100	6.6	27	17.7	73
1983	65.7	100	7.8	12	57.9	88	68.2	100	5.9	9	62.3	91	20.0	100	6.8	34	13.2	66	25.3	100	7.9	31	17.4	69
1984	88.2	100	13.0	15	75.2	85	70.0	100	5.5	8	64.5	92	20.8	100	6.2	30	14.6	70	23.7	100	2.8	12	20.9	88
1985	80.1	100	13.4	17	66.7	83	76.3	100	6.4	8	69.9	92	20.5	100	2.0	10	18.5	90	42.7	100	4.1	10	38.6	90
1986	70.8	100	9.7	14	61.1	86	83.7	100	7.5	9	76.2	91	26.7	100	6.7	25	20.0	75	47.8	100	9.3	19	38.5	81
1987	81.2	100	14.8	18	66.4	82	83.4	100	7.7	9	75.7	91	23.8	100	6.6	28	17.2	72	33.3	100	5.8	17	27.5	83
1988 g	84.8	100	15.4	17	69.4	83	84.3	100	7.6	8	76.7	92	26.0	100	6.3	24	19.7	76	33.8	100	7.5	22	26.3	78
1989 g	79.7	100	11.8	17	67.9	83	86.5	100	7.7	8	78.8	92	26.2	100	7.8	30	18.4	70	27.0	100	3.9	14	23.1	86

SOURCE: International Cotton Advisory Committee.
For earlier years' data, see the October 1960 and 1969 *Textile Organon* issues, pages 167 & 176.

a. As 480-pound bales.
b. Refers to actual ginnings or pressings during the August-July crop year. In some countries, estimates of household consumption are included in production estimates. U.S. production also includes city crop. Note the U.S. production shown in the table on page 266 includes only the ginnings until the 1982 crop year.
c. Includes raw cotton consumed in spinning mills and other factories plus estimates of household consumption.
d. Means the export of domestically produced cotton.
e. Includes mill stocks, port stocks and stocks in transit, etc. U.S.A. means the carryover of U.S. cotton in the world regardless of where located; FOREIGN means the carryover of foreign cotton in the world regardless of where located.
f. Five-year averages.
g. The 1988 & 1989 data are preliminary or estimated.

TABLE 3:
WORLDWIDE RAW COTTON PRODUCTION BY PRODUCING COUNTRIES [a]
THOUSAND BALES & *PERCENT*

SEASON BEGINNING AUGUST 1	WORLD TOTAL		NORTH & SOUTH AMERICA												CHINA PRC & E. EUROPE					
			BRAZIL		MEXICO		U.S.A.		OTHER N.A.[b]		OTHER S.A.[c]		TOTAL		CHINA[d]		U.S.S.R.[e]		TOTAL	
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954	38403	100	1666	4.3	1340	3.5	14046	36.6	179	0.5	1170	3.0	18401	47.9	4480	11.6	5951	15.5	10431	27.1
1955-1959	43898	100	1490	3.4	2049	4.7	12945	29.5	423	1.0	1321	3.0	18228	41.6	7260	16.5	6937	15.8	14197	32.3
1960-1964	48651	100	2218	4.6	2189	4.5	14861	30.5	930	1.9	1637	3.4	21835	44.9	5277	10.8	7536	15.5	12813	26.3
1965-1969	52295	100	2668	5.1	2202	4.2	10573	20.2	1044	2.0	1558	3.0	18045	34.5	8218	15.7	9253	17.7	17471	33.4
1970-1974	60905	100	2745	4.5	1726	2.8	11777	19.3	1274	2.1	1852	3.1	19374	31.8	10448	17.2	11311	18.6	21759	35.8
1975-1979	59711	100	2364	4.0	1328	2.2	11751	19.7	1458	2.4	2208	3.7	19109	32.0	10033	16.8	11947	20.0	21980	36.8
1980-1984	70637	100	3165	4.5	1210	1.7	11897	16.8	899	1.3	2006	2.8	19177	27.1	18675	26.4	11209	15.9	29884	42.3
1985-1989	79341	100	3509	4.3	986	1.2	13034	16.4	454	0.6	2780	3.5	20763	26.0	18621	23.5	12283	15.5	30904	39.0
1978	59446	100	2623	4.4	1563	2.6	10856	18.3	1654	2.8	2093	3.5	18789	31.6	9968	16.8	11752	19.8	21720	36.6
1979	64642	100	2650	4.1	1509	2.3	14629	22.6	1139	1.8	2218	3.4	22145	34.2	10145	15.7	12132	18.8	22277	34.5
1980	63741	100	2862	4.5	1620	2.6	11122	17.4	1189	1.9	2001	3.1	18794	29.5	12429	19.5	12302	19.3	24731	38.8
1981	69125	100	2941	4.3	1440	2.1	15646	22.6	911	1.3	2076	3.0	23014	33.3	13779	19.9	11309	16.4	25088	36.3
1982	66436	100	2976	4.5	840	1.3	11963	18.0	805	1.2	1329	2.0	17913	27.0	16695	25.1	10427	15.7	27122	40.8
1983	65684	100	2615	4.0	1038	1.6	7771	11.8	811	1.2	1955	3.0	14190	21.6	21508	32.7	10028	15.3	31536	48.0
1984	88199	100	4431	5.0	1110	1.3	12982	14.7	777	0.9	2669	3.0	21969	24.9	28966	32.8	11977	13.6	40943	46.4
1985	80114	100	3644	4.5	1010	1.3	13432	16.8	586	0.7	2177	2.7	20849	26.0	19288	24.1	12823	16.0	32111	40.1
1986	70822	100	2909	4.1	638	0.9	9731	13.8	439	0.6	1926	2.7	15643	22.1	16516	23.3	12274	17.3	28790	40.6
1987	81215	100	3968	4.8	1025	1.3	14760	18.2	466	0.6	3456	4.3	23675	29.2	19520	24.0	11387	14.0	30907	38.0
1988 f	84829	100	3244	3.7	1417	1.7	15412	18.2	397	0.5	3056	3.6	23526	27.7	19113	22.5	13573	16.0	32686	38.5
1989 f	79725	100	3780	4.7	838	1.1	11834	14.8	381	0.5	3286	4.1	20119	25.2	18669	23.4	11356	14.2	30025	37.6

SEASON BEGINNING AUGUST 1	WEST. EUROPE TOTAL[g]		ASIA & OCEANIA										AFRICA							
			INDIA		PAKISTAN		TURKEY		OTHER [h]		TOTAL		EGYPT		SUDAN		OTHER [i]		TOTAL	
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954	230	0.6	3432	8.9	1330	3.5	642	1.7	727	1.9	6131	16.0	1713	4.5	387	1.0	1110	2.9	3210	8.4
1955-1959	525	1.2	4012	9.1	1381	3.2	763	1.7	1114	2.6	7270	16.6	1815	4.1	499	1.1	1364	3.1	3678	8.3
1960-1964	828	1.7	4769	9.8	1663	3.4	1118	2.3	1467	3.0	9017	18.5	2043	4.2	690	1.4	1425	3.0	4158	8.6
1965-1969	761	1.5	4850	9.3	2268	4.3	1787	3.4	1791	3.4	10696	20.4	2196	4.2	942	1.8	2184	4.2	5322	10.2
1970-1974	791	1.3	5410	8.9	2993	4.9	2379	3.9	2311	3.8	13093	21.5	2259	3.7	1051	1.7	2578	4.2	5888	9.6
1975-1979	789	1.3	5700	9.5	2536	4.3	2291	3.9	2288	3.8	12815	21.5	1928	3.2	660	1.1	2430	4.1	5018	8.4
1980-1984	821	1.2	6619	9.4	3480	4.9	2369	3.3	2808	4.0	15276	21.6	2110	3.0	817	1.2	2554	3.6	5480	7.8
1985-1989	1332	1.7	8021	10.1	6328	8.0	2608	3.3	3026	3.8	19983	25.2	1715	2.2	710	0.9	3934	5.0	6360	8.1
1978	848	1.4	6191	10.4	2176	3.7	2191	3.7	2390	4.0	12948	21.8	2014	3.4	637	1.0	2490	4.2	5141	8.6
1979	654	1.0	6260	9.7	3344	5.2	2191	3.4	2422	3.7	14217	22.0	2221	3.5	523	0.8	2605	4.0	5349	8.3
1980	821	1.3	6256	9.8	3281	5.1	2297	3.6	2271	3.6	14105	22.1	2428	3.8	446	0.7	2416	3.8	5290	8.3
1981	878	1.3	6559	9.5	3435	5.0	2242	3.2	2729	3.9	14965	21.6	2293	3.3	712	1.0	2175	3.2	5180	7.5
1982	715	1.1	6481	9.7	3783	5.7	2246	3.4	2711	4.1	15221	22.9	2115	3.2	959	1.4	2391	3.6	5465	8.2
1983	780	1.2	5870	8.9	2271	3.5	2398	3.7	2979	4.5	13518	20.6	1879	2.9	1034	1.5	2747	4.2	5660	8.6
1984	910	1.0	7927	9.0	4631	5.3	2664	3.0	3349	3.8	18571	21.1	1833	2.1	933	1.1	3040	3.4	5806	6.6
1985	1078	1.3	8979	11.2	5587	7.0	2379	3.0	3486	4.4	20431	25.6	1999	2.5	652	0.8	2994	3.7	5645	7.0
1986	1331	1.9	7418	10.5	6061	8.5	2379	3.4	3042	4.3	18900	26.7	1850	2.6	757	1.1	3551	5.0	6158	8.7
1987	1167	1.4	7105	8.7	6686	8.2	2465	3.0	2997	3.7	19253	23.6	1615	2.0	622	0.9	3976	4.9	6213	7.8
1988 f	1585	1.9	8120	9.6	6405	7.6	2967	3.5	2328	2.7	19820	23.4	1426	1.7	747	0.9	5039	5.9	7212	8.5
1989 f	1498	1.9	8484	10.6	6900	8.7	2850	3.6	3278	4.1	21512	27.0	1685	2.1	774	1.0	4112	5.2	6571	8.3

SOURCE: International Cotton Advisory Committee.

a. Bales expressed as 480 pound net weight.
b. Baleages are principally from El Salvador, Guatemala & Nicaragua.
c. Baleages are principally from Argentina, Colombia, Paraguay & Peru.
d. Figures include nominal baleages for North Korea & Vietnam.
e. Figures include nominal baleages for Albania, Bulgaria & Yugoslavia.
f. Data are preliminary.
g. Baleages are principally from Greece & Spain.
h. Baleages are chiefly from Australia, Iran, Israel & Syria.
i. Burkina Faso, Ivory Coast, Mali, South Africa, Tanzania & Zimbabwe are leading producing countries.

TABLE 4:
WORLDWIDE RAW COTTON CONSUMPTION BY CONSUMING COUNTRIES
THOUSAND BALES & *PERCENT* [a]

SEASON BEGINNING AUGUST 1	WORLD TOTAL		NORTH & SOUTH AMERICA												CHINA PRC & E. EUROPE					
			BRAZIL		MEXICO		U.S.A.		OTHER N.A.		OTHER S.A.		TOTAL		CHINA [b]		E. EUROPE [c]		TOTAL	
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954	37166	100	873	2.3	339	0.9	9317	25.1	423	1.1	803	2.2	11755	31.6	4460	12.0	6222	16.8	10682	28.8
1955-1959	44222	100	1093	2.5	472	1.1	8709	19.7	426	1.0	971	2.2	11671	26.5	7220	16.3	7793	17.6	15013	33.9
1960-1964	47384	100	1264	2.7	537	1.1	8704	18.4	548	1.2	1060	2.2	12113	25.6	5869	12.4	9142	19.3	15011	31.7
1965-1969	53813	100	1271	2.4	677	1.2	8939	16.6	604	1.1	1178	2.2	12669	23.5	8541	15.9	10655	19.8	19196	35.7
1970-1974	58805	100	1624	2.8	772	1.3	7513	12.8	569	1.0	1368	2.3	11846	20.2	11094	18.9	11634	19.8	22728	38.7
1975-1979	62057	100	2289	3.7	768	1.2	6653	10.7	552	0.9	1411	2.3	11673	18.8	12418	20.0	11810	19.0	24228	39.0
1980-1984	67013	100	2628	3.9	636	1.0	5627	8.4	566	0.8	1208	1.8	10665	15.9	16262	24.3	11402	17.0	27664	41.3
1985-1989	82843	100	3593	4.1	685	1.0	7344	8.9	494	0.6	1762	2.1	13878	16.7	20186	24.4	12568	15.2	32754	39.6
1978	63210	100	2456	3.9	757	1.2	6352	10.0	565	0.9	1432	2.3	11562	18.3	13397	21.2	11831	18.7	25228	39.9
1979	65116	100	2591	4.0	757	1.2	6506	10.0	574	0.9	1398	2.1	11826	18.2	14146	21.7	11866	18.2	26012	39.9
1980	65281	100	2601	4.0	759	1.2	5891	9.0	579	0.9	1209	1.8	11039	16.9	15198	23.3	11713	17.9	26911	41.2
1981	65090	100	2631	4.0	708	1.1	5264	8.1	472	0.7	1083	1.7	10158	15.6	16505	25.3	11170	17.2	27675	42.5
1982	66535	100	2603	3.9	630	0.9	5513	8.3	583	0.9	1090	1.6	10419	15.6	16809	25.3	10919	16.4	27728	41.7
1983	68174	100	2553	3.8	528	0.8	5926	8.7	622	0.9	1252	1.8	10881	16.0	16495	24.2	11177	16.4	27672	40.6
1984	69983	100	2753	3.9	556	0.8	5540	7.9	575	0.8	1405	2.0	10829	15.4	16303	23.3	12030	17.2	28333	40.5
1985	76255	100	3180	4.2	634	0.8	6399	8.4	620	0.8	1625	2.1	12458	16.3	18778	24.6	12631	16.6	31409	41.2
1986	83690	100	3485	4.2	550	0.7	7452	8.9	595	0.7	1692	2.0	13774	16.5	20673	24.7	12927	15.4	33600	40.1
1987	83449	100	3721	4.5	683	0.8	7617	9.1	427	0.5	1929	2.3	14377	17.2	20348	24.4	12344	14.8	32692	39.2
1988 g	84284	100	3877	4.7	778	0.9	7550	9.0	422	0.5	1778	2.1	14405	17.2	19965	23.7	12585	14.9	32550	38.6
1989 g	86536	100	3700	4.2	778	0.9	7700	8.9	407	0.5	1784	2.1	14369	16.6	21168	24.5	12355	14.3	33523	38.8

SEASON BEGINNING AUGUST 1	WEST EUROPE [d] TOTAL		ASIA & OCEANIA														AFRICA TOTAL [f]	
			INDIA		PAKISTAN		TURKEY		JAPAN		KOREA		TAIWAN		OTHER [e]		TOTAL			
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954	6909	18.6	3731	10.0	334	0.9	319	0.9	2013	5.4	143	0.4	82	0.2	738	2.0	7360	19.8	460	1.2
1955-1959	7155	16.2	4407	10.0	945	2.1	503	1.1	2590	5.9	257	0.6	143	0.3	856	1.9	9701	21.9	682	1.5
1960-1964	7163	15.1	4906	10.4	1199	2.5	552	1.2	3331	7.0	296	0.6	254	0.5	1523	3.2	12061	25.4	1036	2.2
1965-1969	6512	12.1	5078	9.4	1668	3.1	732	1.4	3340	6.2	408	0.8	408	0.8	2178	4.0	13812	25.7	1624	3.0
1970-1974	5897	10.0	5414	9.2	2184	3.7	971	1.7	3471	5.9	609	1.0	643	1.1	2844	4.8	16136	27.4	2198	3.7
1975-1979	5534	8.9	5697	9.2	1987	3.2	1358	2.2	3240	5.2	1178	1.9	972	1.6	3557	5.7	17989	29.0	2633	4.3
1980-1984	5464	8.2	6430	9.6	2339	3.5	1602	2.4	3284	4.9	1564	2.3	1179	1.8	3927	5.9	20324	30.3	2895	4.3
1985-1989	6390	7.7	7811	9.4	3485	4.2	2441	2.9	3378	4.1	1990	2.4	1899	2.3	5521	6.7	26525	32.0	3296	4.0
1978	5424	8.6	5715	9.0	1975	3.1	1394	2.2	3334	5.3	1285	2.0	994	1.6	3575	5.7	18272	28.9	2724	4.3
1979	5629	8.6	5944	9.1	1898	2.9	1225	1.9	3391	5.2	1554	2.4	1052	1.6	3824	5.9	18888	29.0	2761	4.3
1980	5215	8.0	6258	9.6	2119	3.2	1344	2.1	3286	5.0	1477	2.3	1052	1.6	3635	5.6	19171	29.4	2945	4.5
1981	5103	7.8	5837	9.0	2334	3.6	1429	2.2	3383	5.2	1536	2.4	1091	1.7	3712	5.7	19322	29.7	2832	4.4
1982	5470	8.2	6259	9.4	2426	3.6	1555	2.3	3291	4.9	1553	2.3	1164	1.7	3965	6.0	20213	30.4	2705	4.1
1983	5680	8.3	6651	9.8	2311	3.4	1773	2.6	3277	4.8	1617	2.4	1245	1.8	4142	6.1	21016	30.8	2925	4.3
1984	5853	8.4	7147	10.2	2503	3.6	1908	2.7	3181	4.5	1637	2.3	1341	1.9	4181	6.0	21898	31.3	3070	4.4
1985	5980	7.8	7099	9.3	2449	3.2	2095	2.7	3098	4.1	1811	2.4	1981	2.6	4633	6.1	23166	30.4	3242	4.3
1986	6701	8.0	7870	9.4	3212	3.8	2251	2.7	3431	4.1	1874	2.2	2021	2.4	5701	6.8	26360	31.5	3255	3.9
1987	6759	8.1	7571	9.1	3498	4.2	2531	3.0	3430	4.1	1994	2.4	1859	2.2	5454	6.5	26337	31.6	3284	3.9
1988 g	6177	7.3	8127	9.6	3865	4.6	2572	3.1	3530	4.2	2114	2.5	1800	2.1	5827	6.9	27835	33.0	3317	3.9
1989 g	6335	7.3	8386	9.7	4400	5.1	2756	3.2	3400	3.9	2156	2.5	1836	2.1	5991	6.9	28925	33.4	3384	3.9

SOURCE: International Cotton Advisory Committee.

a. As 480 pound bales.
b. Includes nominal baleages for North Korea.
c. Principally U.S.S.R.
d. Principally Italy, Germany Fed. Rep. of and Italy.
e. Hong Kong, Indonesia & Thailand are major consumers.
f. Egypt is a major consumer.
g. Data are preliminary.